

# Annotated check list of the Noctuoidea (Insecta, Lepidoptera) of North America north of Mexico

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## Abstract

An annotated check list of the North American species of Noctuoidea (Lepidoptera) is presented, consisting of 3693 species. One-hundred and sixty-six taxonomic changes are proposed, consisting of 13 species-group taxa accorded species status (**stat. n.** and **stat. rev.**), 2 revalidated genus-group taxa (**stat. rev.**), and 2 family-group taxa raised to subfamily. Sixty-nine species-group taxa are downgraded to junior synonyms or subspecies (**stat. n.**, **syn. rev.**, and **syn. n.**), and 6 genera relegated to synonymy. Sixty-seven new or revised generic combinations are proposed. No new taxa are described. Six non-native species now believed to be established in North America are documented for the first time, namely *Simplicia cornicalis* (Fabricius, 1794), *Nola cucullatella* (Linnaeus, 1758), *Tyta luctuosa* ([Denis & Schiffermüller], 1775), *Oligia latruncula* ([Denis & Schiffermüller], 1775), *Nipponyx segregata* (Butler, 1878) and *Hecatera dysodea* ([Denis & Schiffermüller], 1775). The check list is arranged according to species membership in higher-level taxa (family, subfamily, tribe, subtribe), based on the most recent working hypotheses of a comprehensive phylogenetic framework for the Noctuoidea.

## Keywords

Canada, United States, Notodontidae, Doidae, Erebidae, Euteliidae, Noctuidae, Nolidae, distribution, faunistics, non-native species, introduced species, alien species



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## Introduction

This check list of the Noctuoidea of North America north of Mexico is a revision of the MONA list (Franclemont and Todd 1983), now more than 25 years old. It is mainly intended to be a list of species, so synonymies and subspecies from the 1983 list are not repeated here, unless these are new synonymies or subspecies proposed since the 1983 list. This list differs markedly in several aspects from the 1983 list, reflecting ongoing changes in the species-level taxonomy and advances in the understanding of higher level noctuid systematics. Included here are 3693 species, representing about a 10% increase (341 / 3355) in species-level taxa of the North American noctuid fauna since Franclemont and Todd (1983). Remarkably, 367 species have been described as new since the 1983 list; the total number of species added to the fauna aside from new descriptions (revalidated species, re-identifications, exotic introductions, range-edge records, and vagrants) roughly equals the number of species-level taxa removed since the 1983 list (new synonymies, erroneous records), with about 230 species-level taxa added and 259 removed. Thus, about 600 additional valid species are included here compared to the Franclemont and Todd check list. To the best of our knowledge, this list captures all North American noctuid species recorded up to 1 February 2010, although many additional taxa are known to us, especially from the southern tier of States, that are either undescribed, or we have not found a suitable name for them among the Caribbean and Central and South American fauna.

Two factors make this list a radical departure from previous lists of North American Noctuoidea. The first is the adoption of a phylogenetic framework for decisions on the content and arrangement of families, subfamilies, tribes, subtribes and genera. The most distinctive feature of a phylogenetic classification is that these groupings, wherever possible, are monophyletic, i.e., groupings share a common ancestry and all members of that ancestry are included. This means that highly derived or very distinctive groups, like the tiger moths (Arctiinae), are not taken out of context, removed from their phylogenetic position and given family status, when the evidence suggests that they are a subset of a monophyletic group. The main advantages of a phylogenetic classification are that they are predictable and stable, and morphological, ecological and behavioral characters can be better understood in an evolutionary context. For example, we now believe that the prespiracular tympanal hood of the Arctiinae and the Herminiinae is not the result of two independent evolutionary events (i.e. convergent traits) as previously thought, but in connection with other data, we now see this as the result of a common ancestry of the Arctiinae and Herminiinae within the family Erebidae. The stability aspect is due to the removal of some of the subjective nature of classifications where a particular character set is taken as distinct enough to warrant a group of its own.

The second factor has been the contribution of molecular data (primarily gene sequences of mitochondrial and nuclear DNA), to both species-level taxonomy and higher-level systematics. Mitochondrial DNA nucleotide sequences are particularly useful as a character system that helps in the recognition of cryptic species, and some-



times the relationships among closely related species and genera. The most utilitarian and commonly used segment of mitochondrial DNA is a section of 658 nucleotides from the cytochrome oxidase subunit 1 (COI) gene, now commonly called a DNA barcode (see the Barcode of Life Project, <http://www.barcodinglife.org>). We examined the barcodes of about 10,000 specimens representing about two-thirds of the North American noctuoid fauna. We found these data to be extremely informative and useful as a taxonomic tool, but only when interpreted in the context of all other character systems available. Once a taxonomic decision has been made using all possible data, the barcode becomes an important tool for identification, especially by the non-specialist, and for identification of immature stages and association of sexes. Because nuclear DNA generally has slower mutation rates compared to mtDNA, it is most frequently used for older evolutionary divergences and thereby higher-level classifications, and has been important in establishing the family, subfamily, and tribal classification employed in this list. Although not as widely employed as mtDNA genes, some nuclear DNA genes are also informative at the species and genus level, especially important as a molecular marker independent of mtDNA.

Probably our most difficult struggle, and the one that will be most controversial, was with the family level classification. This has been a relatively recent issue and is highlighted by Kitching (1984), Poole (1995), Kitching and Rawlins [1998], Speidel et al. (1996), Mitchell et al. (1997, 2000, 2006), Fibiger and Lafontaine (2005), Lafontaine and Fibiger (2006), and Zahiri et al. (2010). The Noctuoidea can be divided into two broad groups, those with a trifold forewing venation (Oenosandridae, Nodontidae and Doidae), and those with a quadrifid forewing venation (e.g., Arctiidae, Lymantriidae, Nolidae, Noctuidae). What has emerged from these investigations is that the quadrifid Noctuoidea form a monophyletic group. Lafontaine and Fibiger 2006 redefined the Noctuidae to include the entire quadrifid group, believing the Arctiidae, Lymantriidae, and Nolidae to be derived from within this expanded concept of Noctuidae (and closely related to the subfamily Catocalinae). In essence, groups such as the Arctiidae, which had previously been treated as a separate family, were more closely related to groups within the Noctuidae than to non-noctuid families. In order to address this, a revised classification would have meant either recognizing over 20 (often weakly defined) families, or a single well-defined family with numerous subfamilies. The latter was adopted (Lafontaine and Fibiger 2006). In a previous classification, Fibiger and Lafontaine (2005) arranged the quadrifid (forewing) group into several families, including the quadrifine (hindwing) Erebidae and triline (hindwing) Noctuidae, based on evidence that suggested that the triline noctuid subfamilies were derived from within the quadrifine subfamilies, so the family Erebidae would not be strictly monophyletic. More recent evidence from nuclear genes (Zahiri et al. 2010) confirms that the quadrifid (forewing) noctuoids form a monophyletic group, but also that this group can be further arranged into four monophyletic subgroups: 1) the quadrifine subfamilies; 2) the triline subfamilies; 3) the Nolinae; and 4) the Euteliinae. Considering the massive size of the family, and the large number of subfamilies, tribes, and subtribes to arrange into a classification, Zahiri et al. (2010) chose the option of



recognizing these four groups as families, namely Erebidae, Noctuidae, Nolidae, and Euteliidae, and we follow that here.

In preparation for this list we examined about 80% of the type specimens of the North American species, as well as many types of their Neotropical and Palearctic relatives. We also examined genitalia preparations of most of the species and voucher material for virtually every species reported. We do not include undescribed species in this list, except where a species was included in a previous list under an erroneous name, and examination of type material has shown that there is no available name. In this situation we continue to list the species but as “of authors.” We have made many generic changes when it was clear that a species was misplaced in its current genus; when no appropriate generic name could be found, we list the species with its current generic name in quotations.

The only synonyms and subspecies listed here are those that have been taxonomically changed since the Franclemont and Todd (1983) check list. Taxa described since publication of Franclemont and Todd (1983) are indicated by a double dagger (‡) and are referenced in the bibliography. An entry with a superscript number, e.g., <sup>163</sup>, refers to a taxonomic note in the Notes section. Authors and years in parentheses, e.g., (Smith, 1903), indicate that the species was originally proposed in another genus. Brackets around a year, e.g., (Smith, [1903]), indicate that the year of publication has been determined from a source external to the original publication.

The 1983 MONA numbers are not included here but will be retained for cross reference in an on-line version of this list with some amended with decimal point numbers for additions. We have introduced a new numbering sequence for the Noctuoidea that was devised by Robert Patterson for the “Moth Photographers Group” website (<http://mothphotographersgroup.msstate.edu/>) and elsewhere. It gives each superfamily of Lepidoptera a static numerical prefix so that each superfamily can be numbered independently, while allowing for possible additional superfamily groups to be added. In this list the Noctuoidea are given the numerical prefix 93, which is printed in a smaller font than the numbers 1 to 3693 for the species in the Noctuoidea. These numerical values assigned to each species are important in sequencing taxa and in easy storage, retrieval and transfer of data without having to type species’ names with possible spelling errors. Subsequent changes (such as addition of new species) can be made with decimal point numbers.

In terms of the sequence of families, subfamilies, tribes, and genera, we have attempted to follow that used in the MONA list (Franclemont and Todd 1983) unless new information dictates otherwise. In a phylogenetic classification, often depicted as a series of branches that form nested sets of shorter and shorter branches, like those of a tree, it is important to have groups that share a common ancestry next to each other, but otherwise the sequence can be changed without losing this relationship by rotating branches. As an example, if two genera, A + B are believed to be each others closest relative, and genus C is the closest relative to A + B, then the written sequence could be given as (A + B) + C, but the same relationship could also be expressed in C + (A + B), or C + (B + A), with the branching point between A and B acting as the rotation



axis. What we have done is rotate branching points, within the limitations of the phylogenetic branching sequences, to develop a list that approximates, where possible, the 1983 MONA list. In the classification of Lafontaine and Fibiger (2006) the Arctiinae and Lymantriinae are at the end (top) of the quadrifine noctuids. In this list we have rotated branching points so that they appear first, as they do in the 1983 MONA list. This does not imply that they could continue to be treated as families. They still belong within complex nested sets of relationships that require either that they be treated as a subfamily of the Erebidae, or that all of the related groups also be treated as families. This would result in a large number of small, poorly-defined, and highly unstable families; the number of genera in *incertae sedis* (Latin for “of uncertain placement”) groups gives an indication of the potential problems. A phylogenetic classification, as foreign as it sometimes appears to be, has great advantages in allowing character states and their distribution to be better understood and also gives predictability to a classification. The close relationship of the Arctiinae, Herminiinae, and the Old World subfamily Aganainae, demonstrates that the tympanal hood of the thoracic ear, which is in front of the spiracle in these three subfamilies, but behind the spiracle in other Erebidae and Noctuidae, is a shared-derived character (synapomorphy) of these subfamilies and not independently derived, as had been thought previously. Similarly, we can use phylogenetic relationships to help locate host plants where unknown, or to understand genital morphology, ecology, immature stages, etc.

Our hope is to keep this list up-to-date and issue additions and corrections periodically, so we welcome information on any omissions, errors, and updates.



## Checklist

### Superfamily Noctuoidea Latreille, 1809 <sup>1</sup>

#### Family Doidae Donahue & Brown, 1987 ‡ <sup>2</sup>

- 930001 *Doa ampla* (Grote, 1878)  
 930002 *Leuculodes lacteolaria* (Hulst, 1886)

#### Family Notodontidae Stephens, 1829 <sup>3</sup>

##### Subfamily Pygaerinae Duponchel, [1845]

- 930003 *Clostera albosigma* Fitch, 1856  
 930004 *Clostera inclusa* (Hübner, [1831])  
 930005 *Clostera inornata* (Neumögen, 1882)  
 930006 *Clostera strigosa* (Grote, 1882)  
 930007 *Clostera paraphora* (Dyar, 1921)  
 930008 *Clostera brucei* (H. Edwards, 1885)  
 930009 *Clostera apicalis* (Walker, 1855)

##### Subfamily Notodontinae Stephens, 1829

##### Tribe Notodontini Stephens, 1829

- 930010 *Hyperaeschra georgica* (Herrich-Schäffer, 1855)  
 930011 *Hyperaeschra tortuosa* Tepper, 1881  
 930012 *Pheosia rimosa* Packard, 1864  
           syn. *P. portlandia* H. Edwards, 1886 <sup>4</sup>  
 930013 *Odontosia elegans* (Strecker, 1885)  
 930014 *Odontosia grisea* (Strecker, 1885)  
 930015 *Notodonta scitipennis* Walker, 1862  
 930016 *Notodonta pacifica* Behr, 1892  
 930017 *Notodonta torva* (Hübner, 1803) <sup>5</sup>  
           ssp. *N. t. simplaria* Graef, 1881  
 930018 *Nerice bidentata* Walker, 1855

##### Tribe Dicranurini Duponchel, [1845]

- 930019 *Gluphisia septentrionis* Walker, 1855 <sup>6</sup>  
 930020 *Gluphisia wrightii* H. Edwards, 1886  
 930021 *Gluphisia avimacula* Hudson, 1891  
 930022 *Gluphisia lintneri* (Grote, 1877)  
 930023 *Gluphisia severa* H. Edwards, 1886  
 930024 *Furcula borealis* (Guérin-Méneville, 1844) <sup>7</sup>  
 930025 *Furcula cinerea* (Walker, 1865) <sup>8</sup>  
 930026 *Furcula nivea* (Neumögen, 1891)  
 930027 *Furcula occidentalis* (Lintner, 1878) <sup>9</sup>  
 930028 *Furcula scolopendrina* (Boisduval, 1869)



- 930029 *Furcula modesta* (Hudson, 1891)
- 930030 *Cerura scitiscrupta* Walker, 1865
- 930031 *Cerura candida* Lintner, 1878
- 930032 *Cerura rarata* Walker, 1865

**Subfamily Phalerinae Butler, 1886**

- 930033 *Datana ministra* (Drury, 1773)
- 930034 *Datana angusii* Grote & Robinson, 1866
- 930035 *Datana drexelii* H. Edwards, 1884
- 930036 *Datana major* Grote & Robinson, 1866
- 930037 *Datana contracta* Walker, 1855
- 930038 *Datana integerrima* Grote & Robinson, 1866
- 930039 *Datana perspicua* Grote & Robinson, 1865
- 930040 *Datana robusta* Strecker, 1878
- 930041 *Datana modesta* Beutenmüller, 1890
- 930042 *Datana ranaeceph* (Guérin-Méneville, 1844)
- 930043 *Datana diffidens* Dyar, 1917
- 930044 *Datana neomexicana* Doll, 1911
- 930045 *Datana chiriquensis* Dyar, 1895
- 930046 *Nadata gibbosa* (J.E. Smith, 1797)
- 930047 *Nadata oregonensis* Butler, 1881
- 930048 *Peridea basitriens* (Walker, 1855)
- 930049 *Peridea angulosa* (J.E. Smith, 1797)
- 930050 *Peridea ferruginea* (Packard, 1864)
- 930051 *Ellida caniplaga* (Walker, 1856)

**Subfamily Dudusinae Matsumura, 1925**

**Tribe Dudusini Matsumura, 1925**

- 930052 *Cargida pyrrha* (Druce, 1898)
- 930053 *Crinodes biedermani* (Skinner, 1905)

**Subfamily Hemiceratinae Guenée, 1852**

- 930054 *Hemiceras cadmia* Guenée, 1852

**Subfamily Heterocampinae Neumögen & Dyar, 1894**

- 930055 *Afilia osleri* Dyar, 1904
- 930056 *Scevesia angustiora* (Barnes & McDunnough, 1910)
- 930057 *Rifargia bichorda* (Hampson, 1901)
- 930058 *Rifargia distinguenda* (Walker, 1856)
- 930059 *Rifargia lineata* Druce, 1887
- 930060 *Litodonta hydromeli* Harvey, 1876
- 930061 *Litodonta contrasta* Barnes & McDunnough, 1910



- 930062 *Litodonta wymola* (Barnes, 1905)  
930063 *Litodonta aonides* (Strecker, 1899)  
930064 *Litodonta gigantea* Barnes & Benjamin, 1924  
930065 *Litodonta alpina* Benjamin, 1932  
930066 *Misogada unicolor* (Packard, 1864)  
930067 *Macrurocampa marthesia* (Cramer, 1780)  
930068 *Macrurocampa dorothea* Dyar, 1896  
930069 *Heterocampa astarte* Doubleday, 1841  
930070 *Heterocampa astartoides* Benjamin, 1932  
930071 *Heterocampa simulans* Barnes & Benjamin, 1924  
930072 *Heterocampa rufinans* (Dyar, 1921)  
930073 *Heterocampa secessionis* Benjamin, 1932  
930074 *Heterocampa varia* Walker, 1855  
930075 *Heterocampa obliqua* Packard, 1864  
930076 *Heterocampa cubana* Grote, 1866  
930077 *Heterocampa subrotata* Harvey, 1874  
930078 *Heterocampa ditta* Barnes & McDunnough, 1910  
930079 *Heterocampa benitensis* A. Blanchard, 1971  
930080 *Heterocampa belfragei* Grote, 1879  
930081 *Heterocampa incongrua* Barnes & Benjamin, 1924  
930082 *Heterocampa umbrata* Walker, 1855  
930083 *Heterocampa averna* Barnes & McDunnough, 1910  
930084 *Heterocampa amanda* Barnes & Lindsey, 1921  
930085 *Heterocampa lunata* H. Edwards, 1884  
930086 *Heterocampa guttivitta* (Walker, 1855)  
930087 *Heterocampa biundata* Walker, 1855  
930088 *Heterocampa ruficornis* Dyar, 1905  
930089 *Heterocampa zayasi* (Torre & Alayo, 1959)  
930090 *Lochmaeus manteo* Doubleday, 1841  
930091 *Lochmaeus bilineata* (Packard, 1864)  
930092 *Disphragis captiosa* Draudt, 1932 <sup>10</sup>  
930093 *Theroa zethus* (Druce, 1898)  
930094 *Praeschausia zapata* (Schaus, 1920)  
930095 *Ursia noctuiformis* Barnes & McDunnough, 1911  
930096 *Ursia furtiva* A. Blanchard, 1971  
930097 *Schizura biedermani* Barnes & McDunnough, 1911  
930098 *Schizura ipomoeae* Doubleday, 1841  
930099 *Schizura badia* (Packard, 1864)  
930100 *Schizura unicornis* (J.E. Smith, 1797)  
930101 *Schizura errucata* Dyar, 1906  
930102 *Schizura apicalis* (Grote & Robinson, 1866)  
930103 *Schizura concinna* (J.E. Smith, 1797)  
930104 *Schizura leptinoides* (Grote, 1864)



- 930105 *Oligocentria semirufescens* (Walker, 1865)
- 930106 *Oligocentria alpica* (Benjamin, 1932)
- 930107 *Oligocentria pallida* (Strecker, 1899)
- 930108 *Oligocentria coloradensis* (H. Edwards, 1885)
- 930109 *Oligocentria perangulata* (H. Edwards, 1882)
- 930110 *Oligocentria lignicolor* (Walker, 1855)
- 930111 *Oligocentria pinalensis* (Benjamin, 1932)
- 930112 *Oligocentria paradisus* (Benjamin, 1932)
- 930113 *Oligocentria delicata* (Dyar, 1905)
- 930114 *Euhyparpax rosea* Beutenmüller, 1893
- 930115 *Hyparpax aurora* (J.E. Smith, 1797)
- 930116 *Hyparpax venus* Neumögen, 1892
- 930117 *Hyparpax minor* (Barnes & Benjamin, 1924)
- 930118 *Hyparpax aurostriata* Graef, 1888
- 930119 *Hyparpax perophoroides* (Strecker, 1876)
- 930120 *Pseudhapigia brunnea* Schaus, 1901

**Subfamily Nystaleinae Forbes, 1948**

- 930121 *Nystalea indiana* Grote, 1884
- 930122 *Nystalea collaris* Schaus, 1910
- 930123 *Nystalea eutalanta* Dyar, 1921
- 930124 *Elymiotis notodontoides* Walker, 1857
- 930125 *Hippia packardii* (Morrison, 1875)
- 930126 *Hippia insularis* (Grote, 1866)
- 930127 *Symmerista albifrons* (J.E. Smith, 1797)
- 930128 *Symmerista canicosta* Franclemont, 1946
- 930129 *Symmerista leucitys* Franclemont, 1946
- 930130 *Symmerista sauvis* (Barnes, 1901)
- 930131 *Symmerista zacualpana* (Draudt, 1932)
- 930132 *Pentobesa valta* Schaus, 1901
- 930133 *Dasylophia anguina* (J.E. Smith, 1797)
- 930134 *Dasylophia thyatiroides* (Walker, 1862)
- 930135 *Dasylophia seriata* (Druce, 1887)
- 930136 *Notela jaliscana* Schaus, 1901
- 930137 *Didugua argentilinea* Druce, 1891

**Subfamily Dioptinae Walker, 1862**

- 930138 *Phryganidia californica* Packard, 1864
- 930139 *Zunacetha annulata* (Guérin-Méneville, 1844)

Notodontidae (*incertae sedis*)

- 930140 *Lirimiris truncata* (Herrich-Schäffer, 1856)



**Family Erebidae Leach, [1815]****Subfamily Lymantriinae Hampson, [1893] <sup>11</sup>****Tribe Lymantriini Hampson, [1893]**930141 *Lymantria dispar* (Linnaeus, 1758)**Tribe Orgyiini Wallengren, 1861**930142 *Gynaephora rossii* Curtis, 1835930143 *Gynaephora groenlandica* (Wocke, 1874)930144 *Dasychira tephra* Hübner, 1809930145 *Dasychira dorsipennata* (Barnes & McDunnough, 1919)930146 *Dasychira vagans* (Barnes & McDunnough, 1913)930147 *Dasychira mescalera* Ferguson, 1977930148 *Dasychira basiflava* (Packard, 1864)930149 *Dasychira matheri* Ferguson, 1977930150 *Dasychira meridionalis* (Barnes & McDunnough, 1913)930151 *Dasychira atrivenosa* (Palm, 1873)930152 *Dasychira cinnamomea* (Grote & Robinson, 1866)930153 *Dasychira leucophaea* (J.E. Smith, 1797)930154 *Dasychira obliquata* (Grote & Robinson, 1866)930155 *Dasychira dominickaria* Ferguson, 1977930156 *Dasychira plagiata* (Walker, 1865)930157 *Dasychira pinicola* (Dyar, 1911)930158 *Dasychira grisefacta* (Dyar, 1911)930159 *Dasychira manto* (Strecker, 1900)930160 *Orgyia antiqua* (Linnaeus, 1758)930161 *Orgyia vetusta* Boisduval, 1852930162 *Orgyia magna* Ferguson, 1977930163 *Orgyia cana* H. Edwards, 1881930164 *Orgyia pseudotsugata* (McDunnough, 1921)930165 *Orgyia detrita* Guérin, 1831930166 *Orgyia definita* Packard, 1864930167 *Orgyia leuschneri* Riotte, 1972930168 *Orgyia leucostigma* (J.E. Smith, 1797)930169 *Orgyia falcata* Schaus, 1896**Tribe Leucomini Grote, 1895 ‡ <sup>12</sup>**930170 *Leucoma salicis* (Linnaeus, 1758)930171 *Euproctis chrysorrhoea* (Linnaeus, 1758)930172 *Euproctis similis* (Fuessly, 1775)**Subfamily Arctiinae Leach, [1815] <sup>13</sup>****Tribe Lithosiini Billberg, 1820 <sup>14</sup>****Subtribe Acsalina Bendib & Minet, 1999 ‡**930173 *Acsala anomala* Benjamin, 1935



**Subtribe Eudesmiina Bendib & Minet, 1999 ‡**

930174 *Eudesmia arida* (Skinner, 1906)

930175 *Eudesmia meneia* (Drury, 1782)

**Subtribe Cisthenina Bendib & Minet, 1999 ‡<sup>14</sup>**

930176 *Cisthene subrufa* (Barnes & McDunnough, 1913)

930177 *Cisthene unifascia* Grote & Robinson, 1868

930178 *Cisthene kentuckiensis* (Dyar, 1904)

930179 *Cisthene liberomacula* (Dyar, 1904)

930180 *Cisthene deserta* (Felder, 1868)

930181 *Cisthene faustinula* (Boisduval, 1869)

930182 *Cisthene dorsimacula* (Dyar, 1904)

930183 *Cisthene tenuifascia* Harvey, 1875

930184 *Cisthene plumbea* Stretch, 1885

930185 *Cisthene striata* Ottolengui, 1898

930186 *Cisthene perrosea* (Dyar, 1904)

930187 *Cisthene angelus* (Dyar, 1904)

930188 *Cisthene subjecta* Walker, 1854

930189 *Cisthene packardii* (Grote, 1863)

930190 *Cisthene conjuncta* (Barnes & McDunnough, 1913)

930191 *Cisthene barnesii* (Dyar, 1904)

930192 *Cisthene picta* (Barnes & McDunnough, 1918)

930193 *Cisthene juanita* Barnes & Benjamin, 1925

930194 *Cisthene coronado* C.B. Knowlton, 1967

930195 *Cisthene martini* C.B. Knowlton, 1967

930196 *Propyria schausi* (Dyar, 1898)

930197 *Lycomorpha grotei* (Packard, 1864)

930198 *Lycomorpha regulus* (Grinnell, 1903)

930199 *Lycomorpha fulgens* (H. Edwards, 1881)

930200 *Lycomorpha splendens* Barnes & McDunnough, 1912

930201 *Lycomorpha pholus* (Drury, 1773)

930202 *Lycomorpha desertus* H. Edwards, 1881

930203 *Lycomorphodes sordida* (Butler, 1877)

930204 *Hypoprepia miniata* (W. Kirby, 1837)

930205 *Hypoprepia fucosa* Hübner, [1831]

930206 *Hypoprepia cadaverosa* Strecker, 1878

930207 *Hypoprepia inculta* H. Edwards, 1882

930208 *Ptychoglène coccinea* (H. Edwards, 1886)

930209 *Ptychoglène phrada* Druce, 1889

930210 *Ptychoglène sanguineola* (Boisduval, 1870)

930211 *Haematomis uniformis* Schaus, 1899

930212 *Rhabdatomis laudamia* (Druce, 1885)

930213 *Bruceia pulverina* Neumögen, 1893

930214 *Bruceia hubbardi* Dyar, 1898

- 930215 *Clemensia albata* Packard, 1864
- 930216 *Clemensia patella* of authors, not (Druce, 1885) <sup>15</sup>
- Subtribe Lithosiina Billberg, 1820**
- 930217 *Eilema bicolor* (Grote, 1864)
- 930218 *Crambidia lithosioides* Dyar, 1898
- 930219 *Crambidia pallida* Packard, 1864
- 930220 *Crambidia uniformis* Dyar, 1898
- 930221 *Crambidia dusca* Barnes & McDunnough, 1913
- 930222 *Crambidia myrlosea* Dyar, 1917
- 930223 *Crambidia suffusa* Barnes & McDunnough, 1912
- 930224 *Crambidia impura* Barnes & McDunnough, 1913
- 930225 *Crambidia casta* (Packard, 1869)
- 930226 *Crambidia pura* Barnes & McDunnough, 1913
- 930227 *Crambidia cephalica* (Grote & Robinson, 1870)
- 930228 *Agylla septentrionalis* Barnes & McDunnough, 1911
- 930229 *Inopsis modulata* (H. Edwards, 1884)
- 930230 *Inopsis funerea* (Grote, 1883)
- 930231 *Gnamptonychia ventralis* Barnes & Lindsey, 1921
- 930232 *Gardinia anopla* Hering, 1925
- Tribe Arctiini Leach, [1815]**
- Subtribe Arctiina Leach, [1815]**
- 930233 *Holoarctia sordida* (McDunnough, 1921)
- 930234 *Holoarctia puengeleri* (Bang-Haas, 1927)
- ssp. *H. p. sibirica* Dubatolov, 2007 ‡ <sup>16</sup>
- 930235 *Neoarctia beanii* (Neumögen, 1891)
- 930236 *Neoarctia brucei* (H. Edwards, 1888)
- 930237 *Neoarctia lafontainei* Ferguson, 1985 ‡
- 930238 *Hyperborea czekanowskii* Grum-Grshmailo, 1900
- 930239 *Holarctia obliterated* (Stretch, 1885)
- 930240 *Grammia arge* (Drury, 1773) <sup>17</sup>
- 930241 *Grammia doris* (Boisduval, 1869)
- ssp. *G. d. doris* (Boisduval, 1869)
- ssp. *G. d. minea* (Slosson, 1892)
- 930242 *Grammia phyllira* (Drury, 1773)
- 930243 *Grammia placentia* (J.E. Smith, 1797)
- 930244 *Grammia virgo* (Linnaeus, 1758)
- ssp. *G. v. virgo* (Linnaeus, 1758)
- ssp. *G. v. gigas* Schmidt, 2009 ‡
- 930245 *Grammia anna* (Grote, 1863)
- 930246 *Grammia parthenice* (W. Kirby, 1837)
- 930247 *Grammia virguncula* (W. Kirby, 1837)
- 930248 *Grammia speciosa* (Möschler, 1864)
- ssp. *G. s. speciosa* (Möschler, 1864)



- ssp. *G. s. celineata* Schmidt, 2009 ‡
- 930249 *Grammia philipiana* Ferguson, 1985 ‡
- 930250 *Grammia quenseli* (Paykull, 1793)
- 930251 *Grammia margo* Schmidt, 2009 ‡  
syn. *G. celia* of authors, not (Saunders, 1863)
- 930252 *Grammia franconia* (H. Edwards, 1888) <sup>18</sup>
- 930253 *Grammia figurata* (Drury, 1773) <sup>19</sup>  
syn. *G. celia* (Saunders, 1863)
- 930254 *Grammia f-pallida* (Strecker, 1878)
- 930255 *Grammia incorrupta* (H. Edwards, 1881)
- 930256 *Grammia allectans* Ferguson, 1985 ‡
- 930257 *Grammia ursina* Schmidt, 2009 ‡
- 930258 *Grammia nevadensis* (Grote & Robinson, 1866)  
ssp. *G. n. nevadensis* (Grote & Robinson, 1866)  
ssp. *G. n. superba* (Stretch, [1874])  
ssp. *G. n. geneura* (Strecker, 1880)  
ssp. *G. n. gibsoni* (McDunnough, 1937)  
ssp. *G. n. vivida* Schmidt, 2009 ‡
- 930259 *Grammia yukona* Schmidt, 2009 ‡
- 930260 *Grammia behrii* (Stretch, 1872)
- 930261 *Grammia brillians* Schmidt, 2009 ‡
- 930262 *Grammia fergusonii* Schmidt, 2009 ‡
- 930263 *Grammia bolanderi* (Stretch, 1872)
- 930264 *Grammia williamsii* (Dodge, 1871)  
ssp. *G. w. williamsii* (Dodge, 1871)  
ssp. *G. w. tooele* (Barnes & McDunnough, 1910)
- 930265 *Grammia favorita* (Neumögen, 1890)
- 930266 *Grammia elongata* (Stretch, 1885)
- 930267 *Grammia yavapai* Schmidt, 2009 ‡
- 930268 *Grammia bowmani* Ferguson & Schmidt, 2007 ‡
- 930269 *Grammia blakei* (Grote, 1864)
- 930270 *Grammia cervinoides* (Strecker, 1876)
- 930271 *Grammia ornata* (Packard, 1864)
- 930272 *Grammia hewletti* (Barnes & McDunnough, 1918) <sup>18</sup>
- 930273 *Grammia complicata* (Walker, [1865])
- 930274 *Grammia edwardsii* (Stretch, 1872)
- 930275 *Grammia eureka* Ferguson & Schmidt, 2007 ‡
- 930276 *Notarctia proxima* (Guérin-Méneville, 1844)
- 930277 *Notarctia arizoniensis* (Stretch, [1874])
- 930278 *Apantesis phalerata* (Harris, 1841)
- 930279 *Apantesis vittata* (Fabricius, 1787)
- 930280 *Apantesis nais* (Drury, 1773)
- 930281 *Apantesis carlotta* Ferguson, 1985 ‡

- 930282 *Sonorarctia fervida* (Walker, 1855)
- 930283 *Parasemia plantaginis* (Linnaeus, 1758)
- 930284 *Acerbia alpina* (Quensel, 1802)
- 930285 *Pararctia lapponica* (Thunberg, 1791)
- 930286 *Pararctia yarrowii* (Stretch, [1874])
- 930287 *Pararctia subnebulosa* (Dyar, 1899)
- 930288 *Platarctia parthenos* (Harris, 1850)
- 930289 *Platyrepia virginalis* (Boisduval, 1852)
- 930290 *Arctia caja* (Linnaeus, 1758)
- 930291 *Arctia opulenta* (H. Edwards, 1881)
- 930292 *Arctia brachyptera* Troubridge & Lafontaine, 2000 ‡
- 930293 *Arctia olschwangi* Dubatolov, 1990 ‡<sup>20</sup>
- 930294 *Virbia laeta* (Guérin-Méneville, 1844)<sup>21</sup>
- 930295 *Virbia costata* (Stretch, 1884)
- 930296 *Virbia ostenta* (H. Edwards, 1881)
- 930297 *Virbia opella* (Grote, 1863)
- 930298 *Virbia fergusonii* Zaspel 2008 ‡
- 930299 *Virbia aurantiaca* (Hübner, [1831])
- 930300 *Virbia rubicundaria* (Hübner, [1831])
- 930301 *Virbia fragilis* (Strecker, 1878)
- 930302 *Virbia lamae* (Freeman, 1941)
- 930303 *Virbia marginata* of authors, not (Druce, 1885)<sup>22</sup>
- 930304 *Virbia nigricans* (Reakirt, 1864)
- 930305 *Virbia rindgei* Cardé 2008 ‡
- 930306 *Virbia ferruginosa* (Walker, 1854)
- 930307 *Virbia immaculata* (Reakirt, 1864)

#### **Subtribe Spilosomina Seitz, 1910**

- 930308 *Seirarctia echo* (J.E. Smith, 1797)
- 930309 *Spilosoma congrua* Walker, 1855
- 930310 *Spilosoma dubia* (Walker, 1855)
- 930311 *Spilosoma latipennis* Stretch, 1872
- 930312 *Spilosoma vestalis* Packard, 1864
- 930313 *Spilosoma vagans* (Boisduval, 1852)
- 930314 *Spilosoma pteridis* H. Edwards, 1875
- 930315 *Spilosoma danbyi* (Neumögen & Dyar, 1893)
- 930316 *Spilosoma virginica* (Fabricius, 1798)
- 930317 *Estigmene acrea* (Drury, 1773)
- 930318 *Estigmene albida* (Stretch, [1874])
- 930319 *Hyphantria cunea* (Drury, 1773)
- 930320 *Alexicles aspersa* Grote, 1883
- 930321 *Hypercompe permaculata* (Packard, 1872)
- 930322 *Hypercompe extrema* of authors (not Walker, 1855)<sup>23</sup>
- 930323 *Hypercompe scribonia* (Stoll, [1790])



- 930324 *Hypercompe caudata* (Walker, 1855)  
 930325 *Hypercompe suffusa* (Schaus, 1889)  
 930326 *Hypercompe osleri* (Rothschild, [1910])  
 930327 *Arachnis picta* Packard, 1864  
 930328 *Arachnis nedyma* Franclemont, 1966  
 930329 *Arachnis citra* Neumögen & Dyar, 1893  
     syn. *A. apachea* Clarke, 1941  
 930330 *Arachnis aulaea* Geyer, 1837  
 930331 *Arachnis zuni* Neumögen, 1890  
 930332 *Phragmatobia fuliginosa* (Linnaeus, 1758)  
 930333 *Phragmatobia lineata* Newman & Donahue, 1966  
 930334 *Phragmatobia assimilans* Walker, 1855  
 930335 *Pyrrharctia isabella* (J.E. Smith, 1797)  
 930336 *Leptarctia californiae* (Walker, 1855)  
     **Subtribe Callimorphina Walker, [1865]**  
 930337 *Dodia albertae* Dyar, 1901  
 930338 *Dodia tarandus* Macaulay & Schmidt, 2009 ‡  
 930339 *Dodia kononenkoi* Tshistjakov & Lafontaine, 1984 ‡  
 930340 *Dodia verticalis* Lafontaine & Troubridge, 2000 ‡  
 930341 *Haploa clymene* (Brown, 1776)  
 930342 *Haploa colona* (Hübner, [1803])  
 930343 *Haploa reversa* (Stretch, 1885)  
 930344 *Haploa contigua* (Walker, 1855)  
 930345 *Haploa lecontei* (Guérin-Méneville, 1844)  
 930346 *Haploa confusa* (Lyman, 1887)  
 930347 *Tyria jacobaeae* (Linnaeus, 1758)  
 930348 *Utetheisa ornatrix* (Linnaeus, 1758) <sup>24</sup>  
     syn. *U. bella* (Linnaeus, 1758)  
     **Subtribe Pericopina Walker, [1865]**  
 930349 *Composia fidelissima* Herrich-Schäffer, 1866  
 930350 *Hypocrita escuintla* (Schaus, 1920)  
 930351 *Phaloesia saucia* Walker, 1854  
 930352 *Gnophaela clappiana* Holland, 1891  
 930353 *Gnophaela latipennis* (Boisduval, 1852)  
 930354 *Gnophaela aequinoctialis* (Walker, 1854)  
 930355 *Gnophaela discreta* Stretch, 1875  
 930356 *Gnophaela vermiculata* (Grote, 1863)  
 930357 *Dysschema leucophaea* (Walker, 1854) <sup>25</sup>  
 930358 *Dysschema howardi* (H. Edwards, 1887)  
     **Subtribe Phaegopterina Kirby, 1892**  
 930359 *Hypocrisias minima* (Neumögen, 1883)  
 930360 *Halysidota tessellaris* (J.E. Smith, 1797)  
 930361 *Halysidota harrisii* Walsh, 1864

- 930362 *Halysidota davisii* H. Edwards, 1875  
930363 *Halysidota schausi* Rothschild, 1909  
930364 *Halysidota cinctipes* Grote, 1865  
930365 *Lophocampa roseata* (Walker, 1866)  
930366 *Lophocampa significans* (H. Edwards, 1888)  
930367 *Lophocampa ingens* (H. Edwards, 1881)  
930368 *Lophocampa argentata* (Packard, 1864)  
930369 *Lophocampa sobrina* (Stretch, 1872)  
930370 *Lophocampa caryae* Harris, 1841  
930371 *Lophocampa mixta* (Neumögen, 1882)  
930372 *Lophocampa pura* (Neumögen, 1882)  
930373 *Lophocampa maculata* Harris, 1841  
930374 *Lophocampa indistincta* (Barnes & McDunnough, 1910)  
930375 *Lophocampa annulosa* (Walker, 1855)  
930376 *Leucanopsis longa* (Grote, 1880)  
930377 *Leucanopsis perdentata* (Schaus, 1901)  
930378 *Leucanopsis lurida* (H. Edwards, 1887)  
930379 *Apocrisias thaumasta* Franclemont, 1966  
930380 *Pseudohemihyalea ambigua* (Strecker, 1878) <sup>26</sup>  
930381 *Pseudohemihyalea edwardsii* (Packard, 1864)  
930382 *Pseudohemihyalea labecula* (Grote, 1881)  
930383 *Pseudohemihyalea splendens* (Barnes & McDunnough, 1910)  
930384 *Calidota laqueata* (H. Edwards, 1887)  
930385 *Opharus muricolor* (Dyar, 1898)  
930386 *Carales arizonensis* (Rothschild, 1909)  
930387 *Pareuchaetes insulata* (Walker, 1855)  
930388 *Lerina incarnata* Walker, 1854  
930389 *Eupseudosoma involuta* (Sepp, 1849)  
930390 *Bertholdia trigona* (Grote, 1879)  
930391 *Bertholdia* sp. not *albipuncta* Schaus, 1896  
930392 *Neritos prophaea* (Schaus, 1905)  
930393 *Agaraea semivitrea* Rothchild, 1909  
930394 *Purius superpulverea* Dyar, 1925  
930395 *Biturix venosata* Walker, [1865]  
930396 *Pagara simplex* Walker, 1856  
930397 *Trocodima fuscipes* (Grote, 1883)  
930398 *Euerythra phasma* Harvey, 1876  
930399 *Euerythra trimaculata* Smith, 1887  
930400 *Neoplynes eudora* (Dyar, 1894)  
930401 *Cycnia inopinatus* (H. Edwards, 1882)  
930402 *Cycnia collaris* (Fitch, 1857)  
930403 *Cycnia tenerosa* (Dyar, 1913)  
930404 *Cycnia tenera* Hübner, 1818



- 930405 *Cygnia oregonensis* (Stretch, [1874])
- 930406 *Euchaetes zella* (Dyar, 1902)
- 930407 *Euchaetes perlevis* Grote, 1882
- 930408 *Euchaetes fusca* (Rothschild, 1910)
- 930409 *Euchaetes helena* (Cassino, 1928)
- 930410 *Euchaetes castalla* (Barnes & McDunnough, 1910)
- 930411 *Euchaetes elegans* Stretch, [1874]
- 930412 *Euchaetes egle* (Drury, 1773)
- 930413 *Euchaetes gigantea* (Barnes & McDunnough, 1910)
- 930414 *Euchaetes polingi* (Cassino, 1928)
- 930415 *Euchaetes bolteri* Stretch, 1885
- 930416 *Euchaetes antica* (Walker, 1856)
- 930417 *Euchaetes albicosta* (Walker, 1855)
- 930418 *Pygoctenucha terminalis* (Walker, 1854)
- 930419 *Pygoctenucha pyrrhoura* (Hulst, 1881)
- 930420 *Ectypia bivittata* Clemens, 1861
- 930421 *Ectypia mexicana* (Dognin, 1911)
- 930422 *Ectypia clio* (Packard, 1864)
- 930423 *Pygarctia murina* (Stretch, 1885)
- 930424 *Pygarctia pterygostigma* Dyar, 1909
- 930425 *Pygarctia neomexicana* Barnes, 1904
- 930426 *Pygarctia lorula* Dyar, 1914
- 930427 *Pygarctia roseicapitis* (Neumögen & Dyar, 1893)
- 930428 *Pygarctia flavidorsalis* Barnes & McDunnough, 1913
- 930429 *Pygarctia spraguei* (Grote, 1875)
- 930430 *Pygarctia abdominalis* Grote, 1871
- 930431 *Pygarctia eglenensis* (Clemens, 1861)
- 930432 *Kodiosoma fulvum* Stretch, 1872

**Subtribe Ctenuchina W. Kirby, 1837**

- 930433 *Ctenucha venosa* Walker, 1854
- 930434 *Ctenucha cressonana* Grote, 1863
- 930435 *Ctenucha virginica* (Esper, 1794)
- 930436 *Ctenucha multifaria* (Walker, 1854)
- 930437 *Ctenucha rubroscapus* (Ménétriés, 1857)
- 930438 *Ctenucha brunnea* Stretch, 1872
- 930439 *Dahana atripennis* Grote, 1875
- 930440 *Cisseps fulvicollis* (Hübner, [1818])
- 930441 *Cisseps packardii* (Grote, 1865)
- 930442 *Cisseps wrightii* (Stretch, 1885)

**Subtribe Euchromiina Butler, 1876**

- 930443 *Lymire edwardsii* (Grote, 1881)
- 930444 *Eucereon myrina* Druce, 1884
- 930445 *Eucereon erythrolepis* Dyar, 1910

- 930446 *Nelphe carolina* (H. Edwards, 1887)
- 930447 *Nelphe relegatum* (Schaus, 1911)
- 930448 *Empyreuma pugione* (Linnaeus, 1767)
- 930449 *Macrocneme chrysitis* (Guérin-Méneville 1844)
- 930450 *Apeplopoda mecrida* (Druce, 1889)
- 930451 *Episcepsis inornata* (Walker, 1856)
- 930452 *Psilopleura vittata* (Walker, [1865])
- 930453 *Psilopleura polia* Druce, 1898 <sup>27</sup>
- 930454 *Pseudosphex leovazquezae* (Pérez & Sánchez, 1986)
- 930455 *Myrmecopsis strigosa* (Druce, 1884)
- 930456 *Cosmosoma festivum* (Walker, 1854)
- 930457 *Cosmosoma teuthras* (Walker, 1854)
- 930458 *Cosmosoma myrodora* (Dyar, 1907)
- 930459 *Didasys belae* Grote, 1875
- 930460 *Syntomeida ipomoeae* (Harris, 1839)
- 930461 *Syntomeida melanthus* (Cramer, [1779])
- 930462 *Syntomeida epilais* (Walker, 1854)
- 930463 *Pseudocharis minima* (Grote, 1867)
- 930464 *Poliopastea clavipes* (Boisduval, 1870)
- 930465 *Horama panthalon* (Fabricius, 1793)
- 930466 *Horama plumipes* (Drury, 1773)
- 930467 *Phoenicoprocta lydia* (Druce, 1889) <sup>28</sup>
- 930468 *Phoenicoprocta hampsonii* (Barnes, 1904) <sup>28</sup>

**Subfamily Herminiinae Leach, [1815] <sup>29</sup>**

- 930469 *Idia americalis* (Guenée, 1854)
- 930470 *Idia majoralis* (Smith, 1895)
- 930471 *Idia aemula* Hübner, 1814
- 930472 *Idia concisa* of authors, not (Walker, 1860) <sup>30</sup>
- 930473 *Idia suffusalis* (Smith, 1899)
- 930474 *Idia rotundalis* (Walker, 1866)
- 930475 *Idia forbesii* (French, 1894)
- 930476 *Idia julia* (Barnes & McDunnough, 1918)
- 930477 *Idia diminuendis* (Barnes & McDunnough, 1918)
- 930478 *Idia scobialis* (Grote, 1880)
- 930479 *Idia laurentii* (Smith, 1893)
- 930480 *Idia terrebralis* (Barnes & McDunnough, 1912)
- 930481 *Idia denticulalis* (Harvey, 1875)
- 930482 *Idia lubricalis* (Geyer, 1832)  
syn. *I. intensinalis* (Smith, 1908) <sup>31</sup>
- 930483 *Idia occidentalis* (Smith, 1884) <sup>32</sup>  
syn. *I. partitalis* (Smith, 1908)
- 930484 *Idia parvulalis* (Barnes & McDunnough, 1911)



- 930485 *Idia gopheri* (Smith, 1899)
- 930486 *Idia immaculalis* (Hulst, 1886) <sup>33</sup>
- 930487 *Phalaenophana pyramusalis* (Walker, 1859)
- 930488 *Phalaenophana extremalis* (Barnes & McDunnough, 1912)
- 930489 *Zanclognatha lituralis* (Hübner, 1818) <sup>34</sup>
- 930490 *Zanclognatha theralis* (Walker, 1859) <sup>35</sup>  
syn. *Z. decepтрicalis* Zeller, 1873  
syn. *Z. gypsalis* (Grote, 1880)  
syn. *Z. inconspicualis* (Grote, 1883)
- 930491 *Zanclognatha minoralis* of authors, not Smith, 1895 <sup>36</sup>
- 930492 *Zanclognatha laevigata* (Grote, 1872)
- 930493 *Zanclognatha atrilineella* (Grote, 1873)
- 930494 *Zanclognatha obscuripennis* (Grote, 1872)
- 930495 *Zanclognatha pedipilalis* (Guenée, 1854)
- 930496 *Zanclognatha protumnusalis* (Walker, 1859)
- 930497 *Zanclognatha martha* Barnes, 1928
- 930498 *Zanclognatha cruralis* (Guenée, 1854)
- 930499 *Zanclognatha marcidilinea* (Grote, 1872) <sup>37</sup>  
syn. *Z. jacchusalis* of authors, not (Walker, 1859)
- 930500 *Zanclognatha jacchusalis* (Walker, 1859) <sup>38</sup>  
syn. *Z. ochreipennis* (Grote, 1872)
- 930501 *Zanclognatha lotalba* (Smith, 1906)  
ssp. *Z. l. lotalba* (Smith, 1906)  
ssp. *Z. l. bryanti* Barnes, 1928 <sup>39</sup>
- 930502 *Chytolita morbidalis* (Guenée, 1854)
- 930503 *Chytolita petrealis* Grote, 1880
- 930504 *Simplicia cornicalis* (Fabricius, 1794) <sup>40</sup>  
syn. *S. caeneusalis* (Walker, [1859])
- 930505 *Macrochilo louisiana* (Forbes, 1922) <sup>41</sup>
- 930506 *Macrochilo bivittata* (Grote, 1877)
- 930507 *Macrochilo santerivalis* Ferguson, 1982 ‡
- 930508 *Macrochilo absorptalis* (Walker, 1859)
- 930509 *Macrochilo hypocriticalis* Ferguson, 1982 ‡
- 930510 *Macrochilo litophora* (Grote, 1873)
- 930511 *Macrochilo orciferalis* (Walker, 1859)
- 930512 *Phalaenostola metonalis* (Walker, 1859)
- 930513 *Phalaenostola eumelusalis* (Walker, 1859)
- 930514 *Phalaenostola larentioides* Grote, 1873
- 930515 *Phalaenostola hanhami* (Smith, 1899)
- 930516 *Tetanolita mynesalis* (Walker, 1859)
- 930517 *Tetanolita palligera* (Smith, 1884)
- 930518 *Tetanolita floridana* (Smith, 1895)
- 930519 *Tetanolita negalis* Barnes & McDunnough, 1912

- 930520 *Bleptina caradrinalis* Guenée, 1854
- 930521 *Bleptina araealis* of authors, not (Hampson, 1901) <sup>42</sup>
- 930522 *Bleptina inferior* Grote, 1872
- 930523 *Bleptina sangamonica* Barnes & McDunnough, 1912
- 930524 *Bleptina flaviguttalis* Barnes & McDunnough, 1912
- 930525 *Bleptina minimalis* Barnes & McDunnough, 1912
- 930526 *Bleptina hydrillalis* of authors, not Guenée, 1854 <sup>43</sup>
- 930527 *Hypenula cacuminalis* (Walker, 1859)
- 930528 *Hypenula caminalis* Smith, 1905
- 930529 *Renia salusalis* (Walker, 1859)
- 930530 *Renia factiosalis* (Walker, 1859)
- 930531 *Renia nemoralis* Barnes & McDunnough, 1918
- 930532 *Renia discoloralis* Guenée, 1854
- 930533 *Renia pulverosalis* Smith, 1895
- 930534 *Renia hutsoni* Smith, 1906
- 930535 *Renia rigida* Smith, 1905
- 930536 *Renia flavipunctalis* (Geyer, 1832)
- 930537 *Renia fraternalis* Smith, 1895
- 930538 *Renia adspergillus* (Bosc, [1800])
- 930539 *Renia sobrialis* (Walker, 1859)
- 930540 *Renia subterminalis* Barnes & McDunnough, 1912
- 930541 *Renia mortualis* Barnes & McDunnough, 1912
- 930542 *Aristaria theroalis* (Walker, 1859)
- 930543 *Physula albipunctilla* Schaus, 1916 <sup>44</sup>
- 930544 *Carteris oculatalis* (Möschler, 1890)
- 930545 *Carteris lineata* (Druce, 1898) <sup>45</sup>
- 930546 *Phlyctaina irrigualis* Möschler, 1890
- 930547 *Lascoria ambigualis* Walker, 1866
- 930548 *Lascoria aon* Druce, 1891
- 930549 *Lascoria alucitalis* Guenée, 1854
- 930550 *Lascoria orneodalis* Guenée, 1854
- 930551 *Palthis angulalis* (Hübner, 1796)
- 930552 *Palthis asopialis* (Guenée, 1854)
- 930553 *Rejectaria albisinuata* (Smith, 1905)
- 930554 *Redectis pygmaea* (Grote, 1878)
- 930555 *Redectis vitrea* (Grote, 1878)
- 930556 *Macristis bilinealis* (Barnes & McDunnough, 1912)
- 930557 *Macristis geminipunctalis* Schaus, 1916 <sup>46</sup>
- 930558 *Macristis schausi* Barnes & Benjamin, 1924

**Subfamily Pangraptinae Grote, 1882** <sup>47</sup>

- 930559 *Pangraptia decoralis* Hübner, 1818
- 930560 *Ledaea perditalis* (Walker, 1859)



**Subfamily Hypeninae Herrich-Schäffer, [1851]**

- 930561 *Hypena manalis* Walker, [1859] <sup>48</sup>
- 930562 *Hypena baltimoralis* Guenée, 1854
- 930563 *Hypena ramstadtii* (Wyatt, 1967)
- 930564 *Hypena bijugalis* Walker, [1859]
- 930565 *Hypena palparia* (Walker, 1861)
- 930566 *Hypena abalienalis* Walker, [1859]
- 930567 *Hypena deceptalis* Walker, [1859]
- 930568 *Hypena madefactalis* Guenée, 1854
- 930569 *Hypena appalachiensis* (L. Butler, 1987) ‡ <sup>49</sup>
- 930570 *Hypena sordidula* Grote, 1872
- 930571 *Hypena subidalis* Guenée, 1854 <sup>50</sup>
- 930572 *Hypena heuloa* (Smith, 1905)
- 930573 *Hypena atomaria* (Smith, 1903)
- 930574 *Hypena vega* (Smith, 1900)
- 930575 *Hypena edictalis* Walker, [1859]
- 930576 *Hypena umbralis* (Smith, 1884)
- 930577 *Hypena variabilis* Druce, 1890
- 930578 *Hypena vetustalis* Guenée, 1854 <sup>51</sup>
- 930579 *Hypena abjuralis* Walker, [1859] <sup>48</sup>
- 930580 *Hypena minualis* Guenée, 1854
- 930581 *Hypena annulalis* (Grote, 1876)
- 930582 *Hypena degasalis* Walker, 1859
- 930583 *Hypena porrectalis* (Fabricius, 1794)
- 930584 *Hypena humuli* Harris, 1841 <sup>48</sup>
- 930585 *Hypena californica* Behr, 1870
- 930586 *Hypena decorata* Smith, 1884
- 930587 *Hypena modestoides* Poole, 1989 ‡  
syn. *H. modesta* Smith, 1895 <sup>52</sup>
- 930588 *Hypena scabra* (Fabricius, 1798) <sup>48</sup>
- 930589 *Hypena eductalis* Walker, [1859] <sup>53</sup>
- 930590 *Colobochyla interpuncta* (Grote, 1872) <sup>54</sup>
- 930591 *Melanomma auricinctaria* Grote, 1875 <sup>54</sup>

**Subfamily Rivulinae Grote, 1895 <sup>55</sup>**

- 930592 *Rivula propinqualis* Guenée, 1854
- 930593 *Rivula stepheni* Sullivan, 2009 ‡
- 930594 *Rivula pusilla* Möschler, 1890 <sup>56</sup>
- 930595 *Oxycilla tripla* Grote, 1896
- 930596 *Oxycilla basipallida* Barnes & McDunnough, 1916
- 930597 *Oxycilla malaca* (Grote, 1873)
- 930598 *Oxycilla mitographa* (Grote, 1873)
- 930599 *Oxycilla ondo* (Barnes, 1907)

930600 *Zelicodes linearis* (Grote, 1883)

**Subfamily Scoliopteryginae Herrich-Schäffer, [1852] <sup>57</sup>**

**Tribe Scoliopterygini Herrich-Schäffer, [1852] <sup>58</sup>**

930601 *Scoliopteryx libatrix* (Linnaeus, 1758)

**Tribe Anomini Grote, 1882 <sup>59</sup>**

930602 *Anomis erosa* Hübner, 1821 <sup>60</sup>

930603 *Anomis flava* (Fabricius, 1775)

930604 *Anomis privata* (Walker, 1865)

syn. *A. commoda* (Butler, 1878) <sup>61</sup>

930605 *Anomis impasta* Guenée, 1852

930606 *Anomis luridula* Guenée, 1852

930607 *Anomis texana* Riley, 1885

930608 *Anomis illita* Guenée, 1852

930609 *Anomis exacta* Hübner, 1822

930610 *Anomis editrix* (Guenée, 1852)

930611 *Alabama argillacea* (Hübner, 1823)

**Subfamily Calpinae Boisduval, 1840 <sup>62</sup>**

**Tribe Calpini Boisduval, 1840 <sup>63</sup>**

930612 *Calyptra canadensis* (Bethune, 1865)

930613 *Gonodonta sicheas* (Cramer, 1777)

930614 *Gonodonta sinaldus* Guenée, 1852

930615 *Gonodonta pyrgo* (Cramer, 1777)

930616 *Gonodonta fulvangala* Geyer, 1832 <sup>64</sup>

930617 *Gonodonta nutrix* (Cramer, 1782)

930618 *Gonodonta unica* Neumögen, 1891

930619 *Gonodonta incurva* (Sepp, [1840])

930620 *Gonodonta bidens* Geyer, 1832 <sup>65</sup>

930621 *Gonodonta nitidimacula* Guenée, 1852 <sup>66</sup>

930622 *Plusiodonta compressipalpis* Guenée, 1852

930623 *Plusiodonta amado* Barnes, 1907

syn. *P. suffusa* Hill, 1924 <sup>67</sup>

**Tribe Ophiderini Guenée, 1852**

930624 *Eudocima apta* (Walker, [1858]) <sup>68</sup>

syn. *E. materna* of authors, not Linnaeus, 1767

930625 *Eudocima serpentifera* (Walker, [1858]) <sup>69</sup>

930626 *Eudocima tyrannus* (Guenée, 1852) <sup>70</sup>

**Subfamily Hypocalinae Guenée, 1852 <sup>71</sup>**

930627 *Hypocala andremona* (Cramer, 1784)

930628 *Hypsoropha monilis* (Fabricius, 1777)

930629 *Hypsoropha hormos* Hübner, 1818



- 930630 *Hypsoropha baja* McCabe, 1992 ‡  
 930631 *Psammathodoxa cochlidoides* Dyar, 1921  
 930632 *Aon noctuiformis* Neumögen, 1892 <sup>72</sup>  
 930633 *Goniapteryx servia* (Cramer, 1782)  
**Subfamily Scolecocampinae Grote, 1883 <sup>73</sup>**  
 930634 *Arugisa lutea* (Smith, 1900) <sup>74</sup>  
     syn. *A. latiorella* of authors, not (Walker, 1863)  
 930635 *Arugisa latiorella* (Walker, 1863) <sup>74</sup>  
     syn. *A. watsoni* Richards, 1941  
 930636 *Arugisa punctalis* (Barnes & McDunnough, 1916)  
 930637 *Scolecocampa liburna* (Geyer, 1837)  
 930638 *Scolecocampa atriluna* Smith, 1903  
 930639 *Gabara obscura* (Grote, 1883)  
 930640 *Gabara gigantea* (Smith, 1905)  
 930641 *Gabara stygialis* (Smith, 1903)  
 930642 *Gabara infumata* (Hampson, 1926)  
 930643 *Gabara subnivosella* Walker, 1866  
 930644 *Gabara distema* (Grote, 1880)  
 930645 *Gabara pulverosalis* (Walker, 1866)  
 930646 *Palpidia pallidior* Dyar, 1898  
 930647 *Pseudorgyia versuta* Harvey, 1875  
 930648 *Pseudorgyia russula* Grote, 1883  
 930649 *Pharga pallens* (Barnes & McDunnough, 1911)  
 930650 *Abablemma grandimacula* (Schaus, 1911) <sup>75</sup>  
 930651 *Abablemma brimleyana* (Dyar, 1914)  
 930652 *Abablemma bilineata* (Barnes & McDunnough, 1916)  
 930653 *Abablemma duomaculata* (Barnes & Benjamin, 1925) <sup>76</sup>  
 930654 *Phobolosia anfracta* (H. Edwards, 1881)  
 930655 *Nigetia formosalis* Walker, 1866

**Subfamily Scolecocampinae (*incertae sedis*) <sup>77</sup>**

- 930656 “*Araeopteron*” *vilhelmina* (Dyar, 1916) <sup>78</sup>  
 930657 *Sigela brauneata* (Swett, 1913) <sup>79</sup>  
 930658 *Sigela penumbrata* Hulst, 1896  
 930659 *Sigela basipunctaria* (Walker, 1861)  
 930660 *Sigela eoides* (Barnes & McDunnough, 1913)

**Subfamily Hypenodinae Forbes, 1954 <sup>80</sup>**

- 930661 *Hypenodes caducus* (Dyar, 1907)  
 930662 *Hypenodes fractilinea* (Smith, 1908)  
 930663 *Hypenodes palustris* Ferguson, 1954  
 930664 *Hypenodes sombrus* Ferguson, 1954  
 930665 *Hypenodes franclemonti* Ferguson, 1954

- 930666 *Dasyblemma straminea* Dyar, 1913
- 930667 *Parahypenodes quadralis* Barnes & McDunnough, 1918
- 930668 *Schrankia macula* (Druce, 1891)
- 930669 *Dyspyralis illocata* Warren, 1891
- 930670 *Dyspyralis puncticosta* (Smith, 1908)
- 930671 *Dyspyralis nigellus* (Strecker, 1900)
- 930672 *Dyspyralis noloides* Barnes & McDunnough, 1916

**Subfamily Boletobiinae Guenée, [1858] <sup>81</sup>**

- 930673 *Parascotia fuliginaria* (Linnaeus, 1761) <sup>82</sup>  
syn. *P. mineta* Franclemont, 1985 ‡
- 930674 *Mycterophora inexplicata* (Walker, [1863])
- 930675 *Mycterophora monticola* Hulst, 1896
- 930676 *Mycterophora longipalpata* Hulst, 1896
- 930677 *Mycterophora geometriformis* Hill, 1924
- 930678 *Mycterophora rubricans* Barnes & McDunnough, 1918
- 930679 *Metalectra discalis* (Grote, 1876) <sup>83</sup>
- 930680 *Metalectra quadrisignata* (Walker, [1858])
- 930681 *Metalectra bigallis* (Smith, 1908)
- 930682 *Metalectra tantillus* (Grote, 1875)
- 930683 *Metalectra diabolica* Barnes & Benjamin, 1924
- 930684 *Metalectra albilinea* Richards, 1941
- 930685 *Metalectra richardsi* Brower, 1941
- 930686 *Metalectra miserulata* (Grote, 1882)
- 930687 *Metalectra edilis* (Smith, 1906)
- 930688 *Metalectra geminincincta* Schaus, 1916 <sup>84</sup>
- 930689 *Metalectra cinctus* (Smith, 1905)

**Subfamily Boletobiinae (*incertae sedis*)**

- 930690 *Prosoparia perfuscaria* Grote, 1883
- 930691 *Prosoparia anormalis* (Barnes & McDunnough, 1912) <sup>85</sup>
- 930692 *Prosoparia floridana* Lafontaine & Dickel, 2009 ‡

**Subfamily Aventiinae Tutt, 1896 <sup>86</sup>**

- 930698 “*Oruza*” *albocostaliata* (Packard, 1876) <sup>87</sup>
- 930699 “*Oruza*” *albocostata* (Druce, 1899)

**Subfamily Eublemminae Forbes, 1954 <sup>88</sup>**

- 930693 *Eublemma minima* (Guenée, 1852) <sup>89</sup>
- 930694 *Eublemma cinnamomea* (Herrich-Schäffer, 1868) <sup>89</sup>
- 930695 *Eublemma recta* (Guenée, 1852)
- 930696 *Eublemma irresoluta* (Dyar, 1919)
- 930697 *Proroblemma testa* Barnes & McDunnough, 1913



**Subfamily Phytometrinae Hampson, 1913<sup>90</sup>**

- 930700 *Hemeroplanis scopulepes* (Haworth, 1809)
- 930701 *Hemeroplanis punitalis* (Smith, 1907)
- 930702 *Hemeroplanis secundalis* (Smith, 1907)
- 930703 *Hemeroplanis reversalis* (Smith, 1907)
- 930704 *Hemeroplanis habitalis* (Walker, 1859)
- 930705 *Hemeroplanis historialis* (Grote, 1882)
- 930706 *Hemeroplanis finitima* (Smith, 1893)
- 930707 *Hemeroplanis incusalis* (Grote, 1881)
- 930708 *Hemeroplanis parallela* (Smith, 1907)
- 930709 *Hemeroplanis rectalis* (Smith, 1907)<sup>91</sup>
- 930710 *Hemeroplanis immaculalis* (Harvey, 1875)
- 930711 *Hemeroplanis obliqualis* (H. Edwards, 1886)
- 930712 *Hemeroplanis trilineosa* (Dyar, 1918)<sup>92</sup>
- 930713 *Mursa phtisialis* (Guenée, 1854)<sup>93</sup>
- 930714 *Glympis concors* (Hübner, 1823)
- 930715 *Spargaloma sexpunctata* Grote, 1873
- 930716 *Phytometra ernestinana* (Blanchard, 1840)
- 930717 *Phytometra rhodarialis* (Walker, 1859)
- 930718 *Phytometra apicata* Barnes & McDunnough, 1916
- 930719 *Phytometra obliqualis* (Dyar, 1912)
- 930720 *Phytometra orgiae* (Grote, 1875)
- 930721 *Nychioptera noctuidalis* (Dyar, 1907)
- 930722 *Nychioptera accola* Franclemont, 1966
- 930723 *Nychioptera opada* Franclemont, 1966
- 930724 *Hormoschista latipalpis* (Walker, 1858)
- 930725 *Ommatochila mundula* (Zeller, 1872)
- 930726 *Janseodes melanospila* (Guenée, 1852)<sup>94</sup>
- 930727 *Hyperstrotia nana* (Hübner, 1818)<sup>95</sup>
- 930728 *Hyperstrotia aetheria* (Grote, 1879)
- 930729 *Hyperstrotia pervertens* (Barnes & McDunnough, 1918)
- 930730 *Hyperstrotia villificans* (Barnes & McDunnough, 1918)
- 930731 *Hyperstrotia flaviguttata* (Grote, 1882)
- 930732 *Hyperstrotia secta* (Grote, 1879)

**Subfamily Phytometrinae (*incertae sedis*)**

- 930733 *Isogona natatrix* Guenée, 1852
- 930734 *Isogona tenuis* (Grote, 1872)
- 930735 *Isogona texana* (Smith, 1900)
- 930736 *Isogona punctipennis* (Grote, 1883)
- 930737 *Isogona segura* Barnes, 1907
- 930738 *Isogona snowi* (Smith, 1908)
- 930739 *Isogona scindens* (Walker, 1858)

- 930740 *Bandelia angulata* (Barnes & Lindsey, 1922)  
 930741 *Euaontia semirufa* Barnes & McDunnough, 1910  
 930742 *Euaontia clarki* Barnes & McDunnough, 1916  
 930743 *Aglaonice otignatha* Hampson, 1924 <sup>96</sup>  
 930744 *Allerastria albiciliatus* (Smith, 1903) <sup>97</sup>  
 930745 *Allerastria annae* Brown, 1987 ‡  
 930746 *Homocerynea cleoriformis* Barnes & McDunnough, 1913 <sup>98</sup>  
 930747 *Cecharismena cara* Möschler, 1890  
 930748 *Cecharismena nectarea* Möschler, 1890  
 930749 *Cecharismena jalapena* (Schaus, 1906) <sup>99</sup>  
 930750 *Cecharismena anartoides* (Walker, 1865) <sup>100</sup>

**Subfamily Anobinae Holloway, 2005 ‡ <sup>101</sup>**

- 930751 *Baniana minor* Lafontaine & Walsh, 2010 ‡  
 930752 *Deinopa angitia* (Druce, 1891) <sup>102</sup>

**Subfamily Erebinae Leach, [1815] <sup>103</sup>**

**Tribe Toxocampini Guenée, 1852 <sup>104</sup>**

- 930753 *Lygephila victoria* (Grote, 1874) <sup>105</sup>  
 930754 *Tathorhynchus exsiccata* (Lederer, 1855) <sup>106</sup>

**Tribe Thermesiini Guenée, 1852 <sup>107</sup>**

- 930755 *Hemeroblemma opigena* (Drury, 1773)  
 930756 *Latebraria amphipyroides* Guenée, 1852  
 930757 *Letis xylia* Guenée, 1852 <sup>108</sup>  
 930758 *Thysania zenobia* (Cramer, 1777)  
 930759 *Ascalapha odorata* (Linnaeus, 1758)

**Tribe Catocalini Boisduval, [1828] <sup>109</sup>**

- 930760 *Spiloloma lunilinea* Grote, 1873  
 930761 *Catocala innubens* Guenée, 1852  
 930762 *Catocala piatrix* Grote, 1864  
     ssp. *C. p. piatrix* Grote, 1864  
     ssp. *C. p. dionyza* H. Edwards, 1885  
 930763 *Catocala consors* (J.E. Smith, 1797)  
     syn. *C. sorsconi* Barnes & Benjamin, 1924 <sup>110</sup>  
 930764 *Catocala epione* (Drury, 1773)  
 930765 *Catocala muliercula* Guenée, 1852  
 930766 *Catocala antinympa* (Hübner, [1823])  
 930767 *Catocala badia* Grote & Robinson, 1866  
     ssp. *C. b. badia* Grote & Robinson, 1866  
     ssp. *C. b. coelebs* Grote, 1874 <sup>111</sup>  
 930768 *Catocala habilis* Grote, 1872  
     syn. *C. denussa* Ehrman, 1893 <sup>110</sup>  
 930769 *Catocala robinsonii* Grote, 1872

- 930770 *Catocala angusi* Grote, 1876  
 930771 *Catocala judith* Strecker, 1874  
 930772 *Catocala serena* W.H. Edwards, 1864  
 930773 *Catocala obscura* Strecker, 1873  
 930774 *Catocala residua* Grote, 1874  
 930775 *Catocala flebilis* Grote, 1872  
 930776 *Catocala sappho* Strecker, 1874  
 930777 *Catocala resecta* Grote, 1872  
 930778 *Catocala luctuosa* Hulst, 1884 <sup>112</sup>  
 930779 *Catocala ulalume* Strecker, 1878  
 930780 *Catocala dejecta* Strecker, 1880  
 930781 *Catocala insolabilis* Guenée, 1852  
 930782 *Catocala vidua* (J.E. Smith, 1797)  
 930783 *Catocala lacrymosa* Guenée, 1852  
 930784 *Catocala palaeogama* Guenée, 1852  
     syn. *C. snowiana* Grote, 1876 <sup>111</sup>  
 930785 *Catocala agrippina* Strecker, 1874  
 930786 *Catocala atocala* Brou, 1985 ‡  
 930787 *Catocala nebulosa* W.H. Edwards, 1864  
 930788 *Catocala subnata* Grote, 1864  
 930789 *Catocala maestosa* Hulst, 1884  
 930790 *Catocala neogama* (J.E. Smith, 1797)  
     ssp. *C. n. neogama* (J.E. Smith, 1797)  
     syn. *C. loretta* Barnes & McDunnough, 1918 <sup>110</sup>  
     ssp. *C. n. euphemia* Beutenmüller, 1907 <sup>113</sup>  
 930791 *Catocala aholibah* Strecker, 1874  
 930792 *Catocala ilia* (Cramer, 1776)  
     ssp. *C. i. ilia* (Cramer, 1776)  
     ssp. *C. i. zoe* Behr, 1874  
 930793 *Catocala umbrosa* Brou, 2002 ‡  
 930794 *Catocala cerogama* Guenée, 1852  
 930795 *Catocala relictata* Walker, [1858]  
     syn. *C. elda* Behrens, 1887 <sup>110</sup>  
 930796 *Catocala marmorata* W.H. Edwards, 1864  
 930797 *Catocala unijuga* Walker, [1858]  
 930798 *Catocala parta* Guenée, 1852  
 930799 *Catocala irene* Behr, 1870  
     syn. *C. valeria* H. Edwards, 1880 <sup>110</sup>  
 930800 *Catocala luciana* Strecker, 1874  
 930801 *Catocala faustina* Strecker, 1873  
     ssp. *C. f. faustina* Strecker, 1873  
     ssp. *C. f. cleopatra* Strecker, 1874 <sup>114</sup>  
     ssp. *C. f. allusa* Hulst, 1884 <sup>113</sup>



- syn. *C. frenchii* Poling, 1901 <sup>110</sup>  
 syn. *C. caerulea* Beutenmüller, 1907 <sup>110</sup>
- 930802 *Catocala hermia* H. Edwards, 1880  
 ssp. *C. h. hermia* H. Edwards, 1880  
 syn. *C. sheba* Cassino, 1919 <sup>110</sup>  
 syn. *C. verecunda* Hulst, 1884 <sup>110</sup>  
 ssp. *C. h. francisca* H. Edwards, 1880 <sup>113</sup>
- 930803 *Catocala californica* W.H. Edwards, 1864  
 syn. *C. edwardsi* Kusnezov, 1903 <sup>110</sup>  
 syn. *C. elizabeth* Cass, 1918 <sup>110</sup>  
 syn. *C. erichi* Brower, 1976 <sup>110</sup>
- 930804 *Catocala briseis* W.H. Edwards, 1864  
 syn. *C. minerva* Cassino, 1917 <sup>110</sup>
- 930805 *Catocala grotiana* Bailey, 1879
- 930806 *Catocala semirelecta* Grote, 1874  
 ssp. *C. s. semirelecta* Grote, 1874  
 syn. *C. pura* Hulst, 1880 <sup>110</sup>  
 syn. *C. nevadensis* Beutenmüller, 1907 <sup>110</sup>  
 ssp. *C. s. hippolyta* Strecker, 1874 <sup>113</sup>
- 930807 *Catocala meskei* Grote, 1873  
 syn. *C. orion* McDunnough, 1922 <sup>110</sup>
- 930808 *Catocala jessica* H. Edwards, 1877  
 syn. *C. babayaga* Strecker, 1884 <sup>114</sup>
- 930809 *Catocala junctura* Walker, [1858]  
 syn. *C. stretchii* Behr, 1870 <sup>110</sup>  
 syn. *C. elsa* Beutenmüller, 1918 <sup>110</sup>  
 syn. *C. margherita* Beutenmüller, 1918 <sup>110</sup>  
 syn. *C. arizonae* Grote, 1873 <sup>111</sup>  
 syn. *C. aspasia* Strecker, 1874 <sup>114</sup>  
 syn. *C. augusta* H. Edwards, 1875 <sup>110</sup>
- 930810 *Catocala texanae* French, 1902 <sup>115</sup>
- 930811 *Catocala electilis* Walker, [1858]
- 930812 *Catocala cara* Guenée, 1852
- 930813 *Catocala carissima* Hulst, 1880 <sup>112</sup>
- 930814 *Catocala concumbens* Walker, [1858]
- 930815 *Catocala amatrix* (Hübner, [1813])  
 syn. *C. editha* W.H. Edwards, 1874 <sup>111</sup>
- 930816 *Catocala delilah* Strecker, 1874
- 930817 *Catocala desdemona* H. Edwards, 1882 <sup>116</sup>  
 syn. *C. utahensis* Cassino, 1918 <sup>117</sup>  
 syn. *C. ixion* Druce, 1890 <sup>117</sup>
- 930818 *Catocala caesia* Hawks, 2010 ‡

- 930819 *Catocala frederici* Grote, 1872
- 930820 *Catocala benjamini* Brower, 1937 <sup>118</sup>  
ssp. *C. b. benjamini* Brower, 1937  
ssp. *C. b. ute* Peacock & Wagner, 2009 ‡  
ssp. *C. b. jumpi* Hawks, 2010 ‡  
ssp. *C. b. mayhewi* Hawks, 2010 ‡
- 930821 *Catocala andromache* H. Edwards, 1885  
syn. *C. wellsii* Johnson, 1983 ‡ <sup>117</sup>
- 930822 *Catocala californiensis* Brower, 1976  
ssp. *C. c. californiensis* Brower, 1976
- 930823 *Catocala johnsoniana* Brower, 1976
- 930824 *Catocala mcdunnoughi* Brower, 1937  
syn. *C. browerorum* Johnson, 1983 ‡ <sup>117</sup>
- 930825 *Catocala chelidonia* Grote, 1881  
ssp. *C. c. chelidonia* Grote, 1881  
ssp. *C. c. occidentalis* Hawks, 2010 ‡  
ssp. *C. c. uniforma* Hawks, 2010 ‡
- 930826 *Catocala illecta* Walker, [1858]
- 930827 *Catocala abbreviatella* Grote, 1872
- 930828 *Catocala nuptialis* Walker, [1858]
- 930829 *Catocala whitneyi* Dodge, 1874
- 930830 *Catocala amestris* Strecker, 1874
- 930831 *Catocala messalina* Guenée, 1852
- 930832 *Catocala sordida* Grote, 1877
- 930833 *Catocala gracilis* W.H. Edwards, 1864
- 930834 *Catocala louiseae* J. Bauer, 1965  
syn. *C. protonympha* Boisduval, 1840 <sup>119</sup>
- 930835 *Catocala andromedae* Guenée, 1852  
syn. *C. tristis* W.H. Edwards, 1864 <sup>111</sup>
- 930836 *Catocala herodias* Strecker, 1876  
ssp. *C. h. herodias* Strecker, 1876  
ssp. *C. h. gerhardi* Barnes & Benjamin, 1927
- 930837 *Catocala coccinata* Grote, 1872
- 930838 *Catocala verrilliana* Grote, 1875  
syn. *C. beutenmuelleri* Barnes & McDunnough, 1910 <sup>110</sup>
- 930839 *Catocala violenta* H. Edwards, 1880
- 930840 *Catocala ophelia* H. Edwards, 1880
- 930841 *Catocala ultronia* (Hübner, 1823)
- 930842 *Catocala miranda* H. Edwards, 1881
- 930843 *Catocala orba* Kusnezov, 1903
- 930844 *Catocala mira* Grote, 1876  
syn. *C. dana* Cassino, 1918 <sup>110</sup>

- 930845 *Catocala grynea* (Cramer, 1780)
- 930846 *Catocala crataegi* Saunders, 1876
- 930847 *Catocala praeclara* Grote & Robinson, 1866  
 ssp. *C. p. praeclara* Grote & Robinson, 1866  
 ssp. *C. p. manitoba* Beutenmüller, 1908 <sup>113</sup>  
 ssp. *C. p. charlottae* Brou, 1988 ‡ <sup>113</sup>
- 930848 *Catocala alabamae* Grote, 1875  
 syn. *C. olivia* H. Edwards, 1880 <sup>110</sup>  
 syn. *C. titania* Dodge, 1900 <sup>110</sup>
- 930849 *Catocala pretiosa* Lintner, 1876 <sup>120</sup>  
 ssp. *C. p. pretiosa* Lintner, 1876  
 ssp. *C. p. texarkana* Brower, 1976 <sup>113</sup>
- 930850 *Catocala lincolnana* Brower, 1976
- 930851 *Catocala blandula* Hulst, 1884  
 syn. *C. manitobensis* Cassino, 1918 <sup>110</sup>
- 930852 *Catocala dulciola* Grote, 1881
- 930853 *Catocala clintoni* Grote, 1864
- 930854 *Catocala grisatra* Brower, 1936
- 930855 *Catocala similis* W.H. Edwards, 1864
- 930856 *Catocala minuta* W.H. Edwards, 1864
- 930857 *Catocala micronympha* Guenée, 1852  
 syn. *C. fratercula* Grote & Robinson, 1866 <sup>111</sup>
- 930858 *Catocala connubialis* Guenée, 1852
- 930859 *Catocala amica* (Hübner, 1818)
- 930860 *Catocala lineella* Grote, 1872 <sup>121</sup>  
 syn. *C. nerissa* H. Edwards, 1880 <sup>110</sup>
- 930861 *Catocala jair* Strecker, 1897  
**Tribe Melipotini Grote, 1895** <sup>122</sup>
- 930862 *Phoberia atomaris* Hübner, 1818
- 930863 *Phoberia ingenua* (Walker, 1858) <sup>123</sup>
- 930864 *Cissusa spadix* (Cramer, 1780)
- 930865 *Cissusa mucronata* (Grote, 1883)
- 930866 *Cissusa indiscreta* (H. Edwards, 1886)  
 syn. *C. subtermina* (Smith, 1900) <sup>124</sup>
- 930867 *Cissusa valens* (H. Edwards, 1881)
- 930868 *Litocala sexsignata* (Harvey, 1875)
- 930869 *Melipotis perpendicularis* (Guenée, 1852)
- 930870 *Melipotis fasciolaris* (Hübner, 1823)
- 930871 *Melipotis indomita* (Walker, [1858])
- 930872 *Melipotis cellaris* (Guenée, 1852)
- 930873 *Melipotis nigrobasis* (Guenée, 1852)
- 930874 *Melipotis januaris* (Guenée, 1852)



- 930875 *Melipotis famelica* (Guenée, 1852)
- 930876 *Melipotis contorta* (Guenée, 1852)
- 930877 *Melipotis prolata* (Walker, [1858])
- 930878 *Melipotis jucunda* (Hübner, 1818)
- 930879 *Melipotis agrotoides* (Walker, [1858])
- 930880 *Melipotis novanda* (Guenée, 1852)
- 930881 *Melipotis acontoides* (Guenée, 1852)
- 930882 *Ianius mosca* (Dyar, 1910)
- 930883 *Panula inconstans* Guenée, 1852
- 930884 *Forsebia perlaeta* (H. Edwards, 1882)
- 930885 *Bulia deducta* (Morrison, 1875) <sup>125</sup>
- 930886 *Bulia similaris* Richards, 1936
- 930887 *Bulia schausi* Richards, 1936 <sup>126</sup>
- 930888 *Drasteria mirifica* (H. Edwards, 1878)
- 930889 *Drasteria hastingsii* (H. Edwards, 1878) <sup>127</sup>
- 930890 *Drasteria eubapta* Hampson, 1926
- 930891 *Drasteria graphica* Hübner, 1818
- 930892 *Drasteria occulta* (H. Edwards, 1881)
- 930893 *Drasteria ingeniculata* (Morrison, 1876)
- 930894 *Drasteria scrupulosa* H. Edwards, 1878 <sup>128</sup>
- 930895 *Drasteria inepta* H. Edwards, 1881
- 930896 *Drasteria sabulosa* H. Edwards, 1881  
syn. *D. nichollae* (Hampson, 1926) <sup>129</sup>
- 930897 *Drasteria biformata* H. Edwards, 1878
- 930898 *Drasteria ochracea* (Behr, 1870)
- 930899 *Drasteria edwardsii* (Behr, 1870)
- 930900 *Drasteria pallescens* (Grote & Robinson, 1866)
- 930901 *Drasteria fumosa* (Strecker, 1898)
- 930902 *Drasteria divergens* (Behr, 1870)
- 930903 *Drasteria convergens* Mustelin, 2006 ‡
- 930904 *Drasteria walshi* Metlevski, 2009 ‡
- 930905 *Drasteria petricola* (Walker, 1858)
- 930906 *Drasteria hudsonica* (Grote & Robinson, 1865)
- 930907 *Drasteria nubicola* (Behr, 1870)
- 930908 *Drasteria maculosa* (Behr, 1870)
- 930909 *Drasteria perplexa* (H. Edwards, 1884)
- 930910 *Drasteria adumbrata* (Behr, 1870)
- 930911 *Drasteria stretchii* (Behr, 1870)
- 930912 *Drasteria pulchra* (Barnes & McDunnough, 1918)
- 930913 *Drasteria howlandii* (Grote, 1865)
- 930914 *Drasteria tejonica* (Behr, 1870)
- 930915 *Drasteria grandirena* (Haworth, 1809)
- 930916 *Boryzops purissima* (Dyar, 1910)

- 930917 *Orodesma apicina* Herrich-Schäffer, 1868  
**Tribe Euclidiini Guenée, 1852** <sup>130</sup>
- 930918 *Callistege intercalaris* (Grote, 1882) <sup>131</sup>  
 930919 *Callistege diagonalis* (Dyar, 1898)  
 930920 *Callistege triangula* (Barnes & McDunnough, 1918)  
 930921 *Caenurgina annexa* (H. Edwards, 1890)  
 930922 *Caenurgina caerulea* (Grote, 1873)  
 930923 *Caenurgina crassiuscula* (Haworth, 1809)  
     syn. *C. distincta* (Neumögen, 1884) <sup>132</sup>  
 930924 *Caenurgina erechtea* (Cramer, 1780)  
 930925 *Doryodes bistrialis* (Geyer, 1832)  
 930926 *Doryodes grandipennis* Barnes & McDunnough, 1918  
 930927 *Doryodes spadaria* Guenée, [1858]  
 930928 *Doryodes tenuistriga* Barnes & McDunnough, 1918  
 930929 *Euclidia cuspidata* (Hübner, 1818)  
 930930 *Euclidia ardata* Franclemont, 1957  
 930931 *Ptichodis vinculum* (Guenée, 1852)  
 930932 *Ptichodis herbarum* (Guenée, 1852)  
 930933 *Ptichodis immunis* (Guenée, 1852) <sup>133</sup>  
 930934 *Ptichodis bistrigata* Hübner, 1818  
 930935 *Ptichodis pacalis* (Walker, 1858)  
 930936 *Ptichodis ovalis* (Grote, 1883)  
 930937 *Ptichodis bucetum* (Grote, 1883)  
 930938 *Caenurgia chloropha* (Hübner, 1818)  
 930939 *Caenurgia togataria* (Walker, 1862)  
 930940 *Celiptera frustulum* Guenée, 1852  
 930941 *Celiptera valina* (Schaus, 1901)  
 930942 *Mocis latipes* (Guenée, 1852)  
 930943 *Mocis marcida* (Guenée, 1852)  
 930944 *Mocis texana* (Morrison, 1875)  
 930945 *Mocis disseverans* (Walker, 1858)  
 930946 *Mocis cubana* Hampson, 1913 <sup>133</sup>  
**Tribe Poaphilini Guenée, 1852** <sup>130</sup>
- 930947 *Argyrostroma herbicola* (Guenée, 1852)  
 930948 *Argyrostroma contempta* (Guenée, 1852)  
 930949 *Argyrostroma diffundens* (Walker, 1858)  
 930950 *Argyrostroma carolina* (Smith, 1905)  
 930951 *Argyrostroma flavistriaria* (Hübner, 1831)  
 930952 *Argyrostroma sylvarum* (Guenée, 1852)  
 930953 *Argyrostroma erasa* (Guenée, 1852)  
 930954 *Argyrostroma quadrifilaris* (Hübner, 1831)  
 930955 *Argyrostroma deleta* (Guenée, 1852)  
 930956 *Argyrostroma anilis* (Drury, 1773)  
 930957 *Neadysgonia similis* (Guenée, 1852) <sup>134</sup>

- 930958 *Neadysgonia consobrina* (Guenée, 1852)
- 930959 *Neadysgonia smithii* (Guenée, 1852)
- 930960 *Neadysgonia telma* Sullivan, 2010 ‡
- 930961 *Parallelia bistriaris* Hübner, 1818
- 930962 *Allotria elonympha* (Hübner, 1818)
- 930963 *Cutina albopunctella* Walker, 1866 <sup>135</sup>
- 930964 *Cutina distincta* (Grote, 1883)
- 930965 *Cutina aluticolor* Pogue & Ferguson, 1998 ‡
- 930966 *Cutina arcuata* Pogue & Ferguson, 1998 ‡
- 930967 *Focillidia texana* Hampson, 1913
- 930968 *Focillidia grenadensis* Hampson, 1913 <sup>136</sup>
- Tribe Ophiusini Guenée, 1837** <sup>137</sup>
- 930969 *Tyrissa multilinea* Barnes & McDunnough, 1913
- 930970 *Lesmone detrahens* (Walker, 1858)
- 930971 *Lesmone fufius* (Schaus, 1894)
- 930972 *Lesmone hinna* (Geyer, 1837)
- 930973 *Lesmone griseipennis* (Grote, 1882)
- 930974 *Lesmone formularis* (Geyer, 1837)
- 930975 *Epidromia lienaris* (Hübner, 1823) <sup>138</sup>
- 930976 *Epidromia pannosa* Guenée, 1852  
syn. *E. poaphiloides* of authors, not (Guenée, 1852)
- 930977 *Epidromia rotundata* Herrich-Schäffer, 1869 <sup>138</sup>  
syn. *E. fergusonii* Solis, 1986 ‡
- 930978 *Itomia opistographa* Guenée, 1852 <sup>139</sup>
- 930979 *Bendisodes aeolia* (Druce, 1890)
- 930980 *Helia agna* (Druce, 1890)
- 930981 *Selenisa sueroides* (Guenée, 1852)
- 930982 *Heteranassa mima* (Harvey, 1876)
- 930983 *Heteranassa fraterna* (Smith, 1899)  
syn. *H. minor* (Smith, 1899) <sup>140</sup>
- 930984 *Elousa albicans* Walker, [1858] <sup>141</sup>
- 930985 *Coxina cinctipalpis* (Smith, 1899)
- 930986 *Coxina hadenoides* Guenée, 1852 <sup>142</sup>
- 930987 *Euclystis sytis* (Guenée, 1852)
- 930988 *Euclystis guerini* (Guenée, 1852)
- 930989 *Euclystis insana* (Guenée, 1852) <sup>142</sup>
- 930990 *Coenipeta bibitrix* (Hübner, 1823)
- 930991 *Coenipeta medina* Guenée, 1852 <sup>142</sup>
- 930992 *Metria amella* (Guenée, 1852)
- 930993 *Metria bilineata* (Smith, 1899)
- 930994 *Metria celia* (Cramer, 1782)
- 930995 *Kakopoda progenies* (Guenée, 1852)  
syn. *K. cincta* Smith, 1900 <sup>143</sup>
- 930996 *Toxonprucha pardalis* (Smith, 1908)



- 930997 *Toxonprucha strigalis* (Smith, 1903)
- 930998 *Toxonprucha volucris* (Grote, 1883)
- 930999 *Toxonprucha repentis* (Grote, 1881)
- 931000 *Toxonprucha diffundens* (Walker, 1858) <sup>144</sup>
- 931001 *Toxonprucha crudelis* (Grote, 1882)
- 931002 *Toxonprucha clientis* (Grote, 1882)
- 931003 *Toxonprucha psegmapteryx* (Dyar, 1913)
- 931004 *Zaleops umbrina* (Grote, 1883)
- 931005 *Zaleops paresa* (Smith, 1906) <sup>145</sup>
- 931006 *Matigramma pulverilinea* Grote, 1872 <sup>146</sup>
- 931007 *Matigramma obscurior* Franclemont & Todd, 1983 ‡
- 931008 *Matigramma repentina* Franclemont, 1986 ‡
- 931009 *Matigramma rubrosuffusa* Grote, 1882
- 931010 *Matigramma inopinata* Franclemont, 1986 ‡
- 931011 *Matigramma emmilita* Franclemont, 1986 ‡
- 931012 *Matigramma adoceta* Franclemont, 1986 ‡
- 931013 *Acritogramma metaleuca* (Hampson, 1913) <sup>147</sup>
- 931014 *Acritogramma noctar* (Schaus, 1901) <sup>148</sup>
- 931015 *Pseudanthracia coracias* (Guenée, 1852)
- 931016 *Zale exhausta* (Guenée, 1852)
- 931017 *Zale peruncta* (Guenée, 1852) <sup>149</sup>
- 931018 *Zale viridans* (Guenée, 1852)
- 931019 *Zale strigimacula* (Guenée, 1852)
- 931020 *Zale obsita* (Guenée, 1852) <sup>150</sup>
- 931021 *Zale fictilis* (Guenée, 1852)
- 931022 *Zale sabena* (Schaus, 1901)
- 931023 *Zale lunata* (Drury, 1773)
- 931024 *Zale smithi* Haimbach, 1928
- 931025 *Zale declarans* (Walker, [1858])
- 931026 *Zale galbanata* (Morrison, 1876)
- 931027 *Zale edusina* (Harvey, 1875)
- 931028 *Zale chisosensis* A. Blanchard & Franclemont, 1982 ‡
- 931029 *Zale aeruginosa* (Guenée, 1852)
- 931030 *Zale undularis* (Drury, 1773)
- 931031 *Zale insuda* (Smith, 1908)
- 931032 *Zale minerea* (Guenée, 1852)
- 931033 *Zale phaeocapna* Franclemont, 1950
- 931034 *Zale obliqua* (Guenée, 1852)
- 931035 *Zale squamularis* (Drury, 1773)
- 931036 *Zale confusa* McDunnough, 1940
- 931037 *Zale submediana* Strand, 1917
- 931038 *Zale duplicata* (Bethune, 1865)
- 931039 *Zale helata* (Smith, 1908)

- 931040 *Zale bethunei* (Smith, 1908)
- 931041 *Zale buchholzi* McDunnough, 1943
- 931042 *Zale metatoides* McDunnough, 1943
- 931043 *Zale metata* (Smith, 1908)
- 931044 *Zale curema* (Smith, 1908)
- 931045 *Zale rubiata* (Smith, 1908)
- 931046 *Zale rubi* (H. Edwards, 1881)
- 931047 *Zale termina* (Grote, 1883)
- 931048 *Zale lunifera* (Hübner, 1818)
- 931049 *Zale intenta* (Walker, [1858])<sup>151</sup>
- 931050 *Zale calycanthata* (J.E. Smith, 1797)
- 931051 *Zale colorado* (Smith, 1908)
- 931052 *Zale unilineata* (Grote, 1876)
- 931053 *Zale horrida* Hübner, 1819
- 931054 *Zale perculata* Franclemont, 1964
- 931055 *Euparthenos nubilis* (Hübner, 1823)
- 931056 *Eubolina impartialis* Harvey, 1875
- 931057 *Ophisma tropicalis* Guenée, 1852
- 931058 *Mimophisma delunaris* (Guenée, 1852)
- 931059 *Achaea ablunaris* (Guenée, 1852)<sup>152</sup>
- 931060 *Amolita fessa* Grote, 1874<sup>153</sup>
- 931061 *Amolita obliqua* Smith, 1903
- 931062 *Amolita sentalis* (Kaye, 1901)
- 931063 *Amolita roseola* Smith, 1903
- 931064 *Amolita fratercula* Barnes & McDunnough, 1912
- 931065 *Amolita delicata* Barnes & McDunnough, 1912

**Subfamily Eulepidotinae Grote, 1985**<sup>154</sup>

**Tribe Eulepidotini Grote, 1985**

- 931066 *Eulepidotis addens* (Walker, 1858)<sup>155</sup>
- 931067 *Eulepidotis metamorpha* Dyar, 1914
- 931068 *Eulepidotis rectimargo* (Guenée, 1852)<sup>156</sup>
- 931069 *Eulepidotis electa* Dyar, 1914<sup>157</sup>
- 931070 *Eulepidotis micca* (Druce, 1889)<sup>158</sup>
- 931071 *Eulepidotis striaepuncta* (Herrich-Schäffer, 1868)<sup>159</sup>

**Tribe Panopodini Forbes, 1954**

- 931072 *Herminocala stigmaphiles* (Dyar, 1914)<sup>160</sup>
- 931073 *Obrima rinconada* Schaus, 1894
- 931074 *Obrima pyraloides* Walker, 1865<sup>161</sup>
- 931075 *Metallata absumens* (Walker, 1862)
- 931076 *Renodes curviluna* (Druce, 1890)<sup>162</sup>
- 931077 *Anticarsia gemmatalis* Hübner, 1818
- 931078 *Azeta repugnalis* (Hübner, 1825)

- 931079 *Azeta schausi* (Barnes & Benjamin, 1924)
- 931080 *Goniocarsia electrica* (Schaus, 1894)
- 931081 *Epitaua prona* (Möschler, 1880)
- 931082 *Epitaua copprii* (Guenée, 1852) <sup>162</sup>
- 931083 *Ephyrodes cacata* Guenée, 1852
- 931084 *Athyrra adjutrix* of authors, not (Cramer, 1780) <sup>163</sup>
- 931085 *Athyrra ganglio* of authors, not Hübner, [1831] <sup>163</sup>
- 931086 *Syllectra erycata* (Cramer, 1780)
- 931087 *Manbuta pyraliformis* (Walker, 1858) <sup>164</sup>
- 931088 *Massala obvertens* (Walker, 1858)
- 931089 *Panopoda rufimargo* (Hübner, 1818)
- 931090 *Panopoda carneicosta* Guenée, 1852
- 931091 *Panopoda repanda* (Walker, [1858])
- 931092 *Panopoda rigida* (Smith, 1903)

**Subfamily Eulepidotinae (*incertae sedis*) Group 1** <sup>165</sup>

- 931093 *Antiblemma rufinans* (Guenée, 1852)
- 931094 *Antiblemma filaria* (Smith, 1900)
- 931095 *Antiblemma concinnula* (Walker, 1865)

**Subfamily Eulepidotinae (*incertae sedis*) Group 2** <sup>165</sup>

- 931096 *Litoprosopus futilis* (Grote & Robinson, 1868)
- 931097 *Litoprosopus hatuey* (Poey, 1832)  
syn. *L. haitiensis* of authors, not Hampson, 1926 <sup>166</sup>
- 931098 *Litoprosopus bahamensis* Hampson, 1926
- 931099 *Litoprosopus coachella* Hill, 1921
- 931100 *Litoprosopus confligens* (Walker, [1858])

**Subfamily Eulepidotinae (*incertae sedis*) Group 3** <sup>165</sup>

- 931101 *Phyprosopus callitrichoides* Grote, 1872
- 931102 *Phyprosopus calligrapha* (Hampson, 1926)

**Family Euteliidae Grote, 1882** <sup>167</sup>

**Subfamily Euteliinae Grote, 1882**

- 931103 *Marathyssa inficita* (Walker, 1865)
- 931104 *Marathyssa basalis* Walker, 1865
- 931105 *Marathyssa minus* Dyar, 1921 stat. rev. <sup>168</sup>
- 931106 *Paectes oculatrix* (Guenée, 1852)
- 931107 *Paectes pygmaea* Hübner, 1818 <sup>169</sup>  
syn. *P. flabella* (Grote, 1879)
- 931108 *Paectes abrostolella* (Walker, 1866) <sup>169</sup>
- 931109 *Paectes burserae* (Dyar, 1901)



- 931110 *Paectes declinata* (Grote, 1879)
- 931111 *Paectes abrostoloides* (Guenée, 1852)
- 931112 *Paectes delineata* (Guenée, 1852)
- 931113 *Paectes lunodes* (Guenée, 1852) <sup>170</sup>
- 931114 *Paectes acutangula* Hampson, 1912
- 931115 *Paectes nubifera* Hampson, 1912
- 931116 *Paectes obrotunda* (Guenée, 1852)
- 931117 *Paectes arcigera* (Guenée, 1852)
- 931118 *Eutelia pulcherrimus* (Grote, 1865)
- 931119 *Eutelia pyrastis* Hampson, 1905 <sup>171</sup>  
syn. *E. furcata* of authors, not (Walker, 1865)
- 931120 *Eutelia furcata* (Walker, 1865) <sup>172</sup>

**Family Nolidae Bruand, 1846** <sup>173</sup>

**Subfamily Nolinae Bruand, 1846**

- 931121 *Meganola minuscula* (Zeller, 1872)
- 931122 *Meganola phylla* (Dyar, 1898) <sup>174</sup>
- 931123 *Meganola spodia* Franclemont, 1985 ‡
- 931124 *Meganola minor* Dyar, 1899
- 931125 *Meganola fuscula* (Grote, 1881)
- 931126 *Meganola dentata* Dyar, 1899
- 931127 *Meganola varia* (Barnes & Lindsey, 1921)
- 931128 *Meganola conspicua* Dyar, 1898
- 931129 *Nola pustulata* (Walker, 1865)
- 931130 *Nola cilicoides* (Grote, 1873)
- 931131 *Nola cereella* (Bosc, [1800])
- 931132 *Nola triquetra* (Fitch, 1856)
- 931133 *Nola minna* Butler, 1881
- 931134 *Nola aphyla* (Hampson, 1900)
- 931135 *Nola ovilla* Grote, 1875
- 931136 *Nola clethrae* Dyar, 1899
- 931137 *Nola lagunculariae* Dyar, 1901
- 931138 *Nola apera* Druce, 1897
- 931139 *Nola cucullatella* (Linnaeus, 1758) <sup>175</sup>
- 931140 *Cephalospargeta elongata* Möschler, 1890

**Subfamily Chloephorinae Stainton, 1859**

**Tribe Sarrothripini Hampson, 1894**

- 931141 *Garella nilotica* (Rogenhofer, 1881) <sup>176</sup>
- 931142 *Nycteola frigidana* (Walker, 1863) <sup>177</sup>
- 931143 *Nycteola columbiana* (H. Edwards, 1873)
- 931144 *Nycteola cinereana* Neumögen & Dyar, 1893

- 931145 *Nycteola metaspilella* (Walker, 1866)  
 syn. *N. scriptana* (Walker, 1863), homonym <sup>178</sup>
- 931146 *Nycteola fletcheri* Rindge, 1961
- 931147 *Iscadia aperta* Walker, 1857
- Subfamily Risobinae Mell, 1943**
- 931148 *Baileya doubledayi* (Guenée, 1852)
- 931149 *Baileya ophthalmica* (Guenée, 1852)
- 931150 *Baileya dormitans* (Guenée, 1852)
- 931151 *Baileya acadiana* Brou, 2004 ‡
- 931152 *Baileya levitans* (Smith, 1906)
- 931153 *Baileya ellessyoo* Brou, 2004 ‡
- 931154 *Baileya australis* (Grote, 1881)
- Subfamily Collomeninae Kitching & Rawlins, [1998]**
- 931155 *Motya abseuzalis* Walker, 1859
- 931156 *Collomena filifera* (Walker, 1857)
- 931157 *Concana mundissima* Walker, [1858]
- Subfamily Afridinae Kitching & Rawlins, [1998]**
- 931158 *Afrida ydatodes* Dyar, 1913
- 931159 *Afrida minuta* (Druce, 1885)
- 931160 “*Afrida*” *exegens* Dyar, 1922 <sup>179</sup>

## Family Noctuidae Latreille, 1809 <sup>180</sup>

### Subfamily Plusiinae Boisduval, [1828] <sup>181</sup>

#### Tribe Abrostolini Eichlin & Cunningham, 1978

- 931161 *Abrostola ovalis* Guenée, 1852
- 931162 *Abrostola urentis* Guenée, 1852
- 931163 *Abrostola parvula* Barnes & McDunnough, 1916
- 931164 *Abrostola microvalis* Ottolengui, 1919
- 931165 *Mouralia tinctoides* (Guenée, 1852)

#### Tribe Argyrogrammatini Eichlin & Cunningham, 1978

- 931166 *Argyrogramma verruca* (Fabricius, 1794)
- 931167 *Enigmogramma basigera* (Walker, 1865) <sup>182</sup>
- 931168 *Trichoplusia ni* (Hübner, [1803])
- 931169 *Ctenoplusia oxygramma* (Geyer, 1832) <sup>183</sup>
- 931170 *Chrysodeixis includens* (Walker, [1858]) <sup>184</sup>
- 931171 *Chrysodeixis eriosoma* (Doubleday, 1843) <sup>185</sup>

#### Tribe Plusiini Boisduval, [1828]

#### Subtribe Autoplusiina Kitching, 1987 ‡

- 931172 *Autoplusia egena* (Guenée, 1852)
- 931173 *Autoplusia olivacea* (Skinner, 1917)
- 931174 *Autoplusia egenoides* (Strand, 1917)

- 931175 *Notioplusia illustrata* (Guenée, 1852) <sup>186</sup>  
 931176 *Rachiplusia ou* (Guenée, 1852)  
**Subtribe Euchalciina Chou & Lu, 1979**  
 931177 *Allagrapha aerea* (Hübner, [1803])  
 931178 *Diachrysia aereoides* (Grote, 1864)  
 931179 *Diachrysia balluca* Geyer, 1832  
 931180 *Euchalcia albavitta* (Ottolengui, 1902)  
 931181 *Euchalcia borealis* Lafontaine & Poole, 1991 ‡  
 931182 *Polychrysia esmeralda* (Oberthür, 1880) <sup>187</sup>  
     syn. *P. moneta* of authors, not (Fabricius, 1787)  
 931183 *Polychrysia morigera* (H. Edwards, 1886)  
 931184 *Pseudeva purpurigera* (Walker, 1858)  
 931185 *Pseudeva palligera* (Grote, 1881)  
 931186 *Chrysanympa formosa* (Grote, 1865)  
 931187 *Eosphoropteryx thyatyroides* (Guenée, 1852)  
 931188 *Exyra fax* (Grote, 1873) <sup>188</sup>  
     syn. *E. rolandiana* (Grote, 1875) <sup>189</sup>  
 931189 *Exyra semicrocea* (Guenée, 1852)  
 931190 *Exyra ridingsii* (Riley, 1874)  
**Subtribe Plusiina Boisduval, [1828]**  
 931191 *Autographa precationis* (Guenée, 1852)  
 931192 *Autographa gamma* (Linnaeus, 1758) <sup>190</sup>  
 931193 *Autographa californica* (Speyer, 1875)  
 931194 *Autographa mappa* (Grote & Robinson, 1868)  
 931195 *Autographa buraetica* (Staudinger, 1892) <sup>191</sup>  
 931196 *Autographa pseudogamma* (Grote, 1875)  
 931197 *Autographa v-alba* Ottolengui, 1902  
 931198 *Autographa speciosa* Ottolengui, 1902  
 931199 *Autographa flavida* Lafontaine & Dickel, 2004 ‡  
 931200 *Autographa bimaculata* (Stephens, 1830)  
 931201 *Autographa corusca* (Strecker, 1885)  
 931202 *Autographa labrosa* (Grote, 1875)  
 931203 *Autographa metallica* (Grote, 1875)  
 931204 *Autographa ampla* (Walker, [1858])  
 931205 *Autographa pasiphaeia* (Grote, 1873)  
 931206 *Autographa rubidus* Ottolengui, 1902  
 931207 *Autographa sansoni* Dod, 1910  
 931208 *Autographa flagellum* (Walker, [1858])  
 931209 *Megalographa biloba* (Stephens, 1830) <sup>192</sup>  
 931210 *Syngrapha altera* (Ottolengui, 1902)  
 931211 *Syngrapha ottolenguii* (Dyar, 1903) <sup>193</sup>  
 931212 *Syngrapha octoscripta* (Grote, 1874)  
 931213 *Syngrapha viridisigma* (Grote, 1874)

- 931214 *Syngrapha selecta* (Walker, [1858])
- 931215 *Syngrapha epigaea* (Grote, 1875)
- 931216 *Syngrapha interrogationis* (Linnaeus, 1758)
- 931217 *Syngrapha u-aureum* (Guenée, 1852)
- 931218 *Syngrapha surena* (Grote, 1882)
- 931219 *Syngrapha diasema* (Boisduval, 1828)
- 931220 *Syngrapha borea* (Aurivillius, 1890)  
syn. *S. lula* Strand, 1917 <sup>194</sup>
- 931221 *Syngrapha orophila* Hampson, 1908
- 931222 *Syngrapha sackenii* (Grote, 1877)  
syn. *S. snowi* (H. Edwards, 1884) <sup>194</sup>
- 931223 *Syngrapha ignea* (Grote, 1863)
- 931224 *Syngrapha abstrusa* Eichlin & Cunningham, 1978
- 931225 *Syngrapha alias* (Ottolengui, 1902)
- 931226 *Syngrapha cryptica* Eichlin & Cunningham, 1978
- 931227 *Syngrapha rectangula* (W. Kirby, 1837)
- 931228 *Syngrapha angulidens* (Smith, 1891)
- 931229 *Syngrapha celsa* (H. Edwards, 1881)
- 931230 *Syngrapha microgamma* (Hübner, 1823)
- 931231 *Syngrapha montana* (Packard, 1869)
- 931232 *Syngrapha alticola* (Walker, [1858]) <sup>195</sup>
- 931233 *Syngrapha parilis* (Hübner, [1809])
- 931234 *Anagrapha falcifera* (W. Kirby, 1837)
- 931235 *Plusia venusta* Walker, 1865
- 931236 *Plusia putnami* Grote, 1873
- 931237 *Plusia nichollae* (Hampson, 1913)
- 931238 *Plusia magnimacula* D. & L. Handfield, 2006 ‡
- 931239 *Plusia contexta* Grote, 1873

#### **Subfamily Bagisarinae Crumb, 1956 <sup>196</sup>**

- 931240 *Bagisara repanda* (Fabricius, 1793)
- 931241 *Bagisara rectifascia* (Grote, 1874)
- 931242 *Bagisara pacifica* Schaus, 1911
- 931243 *Bagisara demura* Dyar, 1913
- 931244 *Bagisara buxea* (Grote, 1881)
- 931245 *Bagisara oula* Dyar, 1913
- 931246 *Bagisara albicosta* Schaus, 1911
- 931247 *Bagisara gulnare* (Strecker, 1880)
- 931248 *Bagisara praecelsa* Ferguson, 1997 ‡
- 931249 *Bagisara laverna* (Druce, 1889) <sup>197</sup>
- 931250 *Bagisara tristicta* (Hampson, 1898)
- 931251 *Bagisara brouana* Ferguson, 1997 ‡
- 931252 *Amyna bullula* (Grote, 1873) <sup>198</sup>



- 931253 *Amyna axis* Guenée, 1852 <sup>199</sup>  
syn. *A. octo* (Guenée, 1852)

**Subfamily Cydosiinae Kitching & Rawlins, [1998] <sup>200</sup>**

- 931254 *Cydosia aurivitta* Grote & Robinson, 1868  
931255 *Cydosia nobilitella* (Cramer, 1780)  
931256 *Cydosia curvinella* Guenée, 1879  
syn. *C. phaedra* Druce, 1897 <sup>201</sup>

**Subfamily Eustrotiinae Grote, 1882 <sup>202</sup>**

- 931257 *Tripudia damozela* (Dyar, 1914) <sup>203</sup>  
syn. *T. inquaesita* (Barnes & Benjamin, 1924)  
931258 *Tripudia munna* (Dyar, 1916) <sup>204</sup>  
931259 *Tripudia chihuahua* A. Blanchard & Knudson, 1984 ‡  
931260 *Tripudia quadrifera* (Zeller, 1874) <sup>205</sup>  
931261 *Tripudia rectangula* Pogue, 2009 ‡  
931262 *Tripudia grapholithoides* (Möschler, 1890)  
931263 *Tripudia lamina* Pogue, 2009 ‡  
931264 *Tripudia balteata* Smith, 1900  
931265 *Tripudia luda* (Druce, 1898)  
931266 *Tripudia dimidata* (Smith, 1905)  
931267 *Tripudia luxuriosa* Smith, 1900  
931268 *Tripudia flavofasciata* Grote, 1877  
931269 *Tripudia versutus* (H. Edwards, 1881) <sup>206</sup>  
931270 *Tripudia goyanensis* (Hampson, 1910) <sup>207</sup>  
syn. *T. olivacea* (Grossbeck, 1917)  
931271 *Tripudia limbatus* (H. Edwards, 1881)  
931272 *Cobubatha metaspilaris* Walker, 1863  
syn. *C. punctifinis* Hampson, 1910 <sup>208</sup>  
931273 *Cobubatha ochrocraspis* Hampson, 1910 <sup>209</sup>  
931274 *Cobubatha numa* (Druce, 1889)  
931275 *Cobubatha lixiva* (Grote, 1882) <sup>210</sup>  
syn. *C. basicinerea* (Grote, 1882)  
syn. *C. lixinites* (Dyar, 1912)  
931276 *Cobubatha orthozona* (Hampson, 1910) <sup>211</sup>  
syn. *C. antonita* (Dyar, 1911)  
syn. *C. victrix* (Dyar, 1912)  
931277 *Cobubatha dividua* (Grote, 1879)  
931278 *Cobubatha hippotes* (Druce, 1889)  
931279 *Cobubatha ipilla* Dyar, 1916 <sup>212</sup>  
syn. *C. rustica* Dyar, 1918  
931280 *Cobubatha megaplaga* (Dyar, 1912) <sup>213</sup>

- 931281 *Phoenicophanta bicolor* Barnes & McDunnough, 1916  
 931282 *Phoenicophanta modestula* Dyar, 1924  
 931283 *Amiana niama* Dyar, 1904  
 931284 *Marimatha nigrofimbria* (Guenée, 1852) <sup>214</sup>  
 931285 *Marimatha squala* Ferris & Lafontaine, 2010 ‡  
 931286 *Marimatha quadrata* Ferris & Lafontaine, 2010 ‡  
 931287 *Marimatha tripuncta* (Möschler, 1890) <sup>215</sup>  
     syn. *M. aurifera* of authors, not (Walker, [1858])  
 931288 *Marimatha piscimala* Ferris & Lafontaine, 2010 ‡  
 931289 *Deltote bellicula* (Hübner, 1818) <sup>216</sup>  
 931290 *Protodeltote muscosa* (Guenée, 1852) <sup>217</sup>  
 931291 *Protodeltote albidula* (Guenée, 1852)  
 931292 “*Lithacodia*” *musta* (Grote & Robinson, 1868) <sup>218</sup>  
 931293 “*Lithacodia*” *costaricana* of authors, not Franclemont & Todd, 1983 <sup>219</sup>  
 931294 “*Lithacodia*” *phya* (Druce, 1889) <sup>220</sup>  
     syn. “*L.*” *penthis* of authors, not (Schaus, 1904)  
 931295 *Maliattha synochitis* (Grote & Robinson, 1868) <sup>221</sup>  
 931296 *Maliattha concinnimacula* (Guenée, 1852) <sup>221</sup>  
 931297 *Capis curvata* Grote, 1882  
 931298 *Capis archaia* L. & D. Handfield, 2006 ‡  
 931299 *Argillophora furcilla* Grote, 1873

#### **Subfamily Eustrotiinae (*incertae sedis*) <sup>222</sup>**

- 931300 *Neotarache deserticola* Barnes & Benjamin, 1922  
 931301 *Cerathosia tricolor* Smith, 1887  
 931302 *Ozarba aerea* (Grote, 1881)  
     syn. *O. fannia* (Druce, 1889) <sup>223</sup>  
 931303 *Ozarba propera* (Grote, 1882)  
 931304 *Ozarba catilina* (Druce, 1889)  
 931305 *Ozarba nebula* Barnes & McDunnough, 1918

#### **Subfamily Acontiinae Guenée, 1841 <sup>224</sup>**

##### **Tribe Acontiini Guenée, 1841**

- 931306 *Ponometia albitermen* (Barnes & McDunnough, 1916) <sup>225</sup>  
 931307 *Ponometia bicolorata* (Barnes & McDunnough, 1912)  
 931308 *Ponometia semiflava* (Guenée, 1852)  
 931309 *Ponometia septuosa* (A. Blanchard & Knudson, 1986) ‡  
 931310 *Ponometia clausula* (Grote, 1883)  
 931311 *Ponometia venustula* (Walker, 1865)  
 931312 *Ponometia virginalis* (Grote, 1881)  
 931313 *Ponometia binocula* (Grote, 1875)  
 931314 *Ponometia candefacta* (Hübner, 1831)  
 931315 *Ponometia doreri* (Barnes & McDunnough, 1913)

- 931316 *Ponometia huita* (Smith, 1903)
- 931317 *Ponometia heonyx* (Dyar, 1913)
- 931318 *Ponometia cuta* (Smith, 1905)
- 931319 *Ponometia erastrionides* (Guenée, 1852)
- 931320 *Ponometia libedis* (Smith, 1900)
- 931321 *Ponometia nannodes* (Hampson, 1910)
- 931322 *Ponometia phecolisca* (Druce, 1889)
- 931323 *Ponometia alata* (Smith, 1905)
- 931324 *Ponometia albimargo* (Barnes & McDunnough, 1916)
- 931325 *Ponometia parvula* (Walker, 1865)
- 931326 *Ponometia tortricina* (Zeller, 1872)
- 931327 *Ponometia fumata* (Smith, 1905) <sup>226</sup>
- 931328 *Ponometia nigra* (Mustelin, 2006) ‡
- 931329 *Ponometia fasciatella* (Grote, 1975) <sup>225</sup>
- 931330 *Ponometia hutsoni* (Smith, 1906)
- 931331 *Ponometia pulchra* (Barnes & McDunnough, 1910)
- 931332 *Ponometia acutus* (Smith, 1905) <sup>225</sup>  
syn. *P. catalina* (Smith, 1906) <sup>227</sup>
- 931333 *Ponometia altera* (Smith, 1903)
- 931334 *Ponometia elegantula* (Harvey, 1876) <sup>228</sup>  
syn. *P. arizonae* (H. Edwards, 1878)  
syn. *P. rectangula* (McDunnough, 1943)
- 931335 *Ponometia exigua* (Fabricius, 1793) <sup>225</sup>
- 931336 *Ponometia macdunnoughi* (Barnes & Benjamin, 1923)
- 931337 *Ponometia megocula* (Smith, 1900)
- 931338 *Ponometia tripartita* (Smith, 1903)
- 931339 *Ponometia sutrix* (Grote, 1880)
- 931340 *Tarache apela* (Druce, 1889) <sup>229</sup>
- 931341 *Tarache tenuicula* Morrison, 1875
- 931342 *Tarache sutor* (Hampson, 1910)
- 931343 *Tarache aprica* (Hübner, [1808])
- 931344 *Tarache assimilis* (Grote, 1875)
- 931345 *Tarache abdominalis* Grote, 1877
- 931346 *Tarache knowltoni* (McDunnough, 1940)
- 931347 *Tarache flavipennis* Grote, 1873
- 931348 *Tarache lagunae* (Mustelin & Leuschner, 2000) ‡
- 931349 *Tarache delecta* (Walker, [1858])
- 931350 *Tarache lactipennis* Harvey, 1875
- 931351 *Tarache terminimaculata* Grote, 1873
- 931352 *Tarache dacia* (Druce, 1889)
- 931353 *Tarache quadriplaga* (Smith, 1900)  
syn. *T. alessandra* (Smith, 1903) <sup>230</sup>
- 931354 *Tarache tetragona* (Walker, [1858])

- 931355 *Tarache areloides* Barnes & McDunnough, 1912
- 931356 *Tarache areli* (Strecker, 1898) <sup>231</sup>
- 931357 *Tarache albifusa* (Ferris & Lafontaine, 2009) ‡
- 931358 *Tarache toddi* (Ferris & Lafontaine, 2009) ‡
- 931359 *Tarache geminocula* (Ferris & Lafontaine, 2009) ‡
- 931360 *Tarache arida* (Smith, 1900)
- 931361 *Tarache bella* Barnes & Benjamin, 1922
- 931362 *Tarache cora* Barnes & McDunnough, 1918
- 931363 *Tarache expolita* Grote, 1882
- 931364 *Tarache idella* (Barnes, 1905) <sup>229</sup>
- 931365 *Tarache augustipennis* Grote, 1875 <sup>229</sup>  
syn. *T. flavicosta* (Smith, 1908) <sup>232</sup>
- 931366 *Tarache huachuca* (Smith, 1903)  
syn. *T. orba* (Smith, 1903) <sup>233</sup>
- 931367 *Tarache sedata* H. Edwards, 1881
- 931368 *Tarache acerba* (H. Edwards, 1881) <sup>234</sup>  
syn. *T. acerboides* (Poole, 1989) ‡
- 931369 *Tarache axendra* Schaus, 1898 <sup>235</sup>  
syn. *T. disconnecta* of authors, not (Smith, 1903)
- 931370 *Tarache bilimeki* (Felder & Rogenhofer, 1874)  
syn. *T. disconnecta* (Smith, 1903) <sup>235</sup>
- 931371 *Tarache major* (Smith, 1900)
- 931372 *Tarache lanceolata* Grote, 1879
- 931373 *Tarache lucasi* (Smith, 1900)
- 931374 *Acontia behrii* Smith, 1900 <sup>236</sup>
- 931375 *Acontia cretata* (Grote & Robinson, 1870)
- 931376 *Acontia chea* Druce, 1889  
syn. *A. eudryada* Smith, 1905 <sup>237</sup>
- 931377 *Acontia jaliscana* (Schaus, 1898) <sup>238</sup>
- 931378 *Acontia coquillettii* Smith, 1900
- 931379 *Eusceptis flavifrimbriata* Todd, 1971
- 931380 *Pseudalypia crotchii* H. Edwards, 1874
- 931381 *Spragueia magnifica* Grote, 1883
- 931382 *Spragueia dama* (Guenée, 1852)
- 931383 *Spragueia cleta* (Druce, 1889)
- 931384 *Spragueia perstructana* (Walker, 1865)
- 931385 *Spragueia guttata* Grote, 1875
- 931386 *Spragueia onagrus* (Guenée, 1852)
- 931387 *Spragueia leo* (Guenée, 1852)
- 931388 *Spragueia jaguaralis* Hampson, 1910
- 931389 *Spragueia funeralis* Grote, 1881
- 931390 *Spragueia obatra* (Morrison, 1875)
- 931391 *Spragueia apicalis* (Herrich-Schäffer, 1868)



931392 *Spragueia margana* (Fabricius, 1794)

**Subfamily Pantheinae Smith, 1898** <sup>239</sup>

931393 *Panthea apanthea* Anweiler, 2009 ‡ <sup>240</sup>

931394 *Panthea judyae* Anweiler, 2009 ‡

931395 *Panthea gigantea* (French, 1890)

931396 *Panthea furcilla* (Packard, 1864) <sup>241</sup>

ssp. *P. f. furcilla* (Packard, 1864)

syn. *P. pallescens* McDunnough, 1937

syn. *P. pallescens centralis* McDunnough, 1942

ssp. *P. f. australis* Anweiler, 2009 ‡

931397 *Panthea greyi* Anweiler, 2009 ‡

931398 *Panthea acronyctoides* (Walker, 1861)

ssp. *P. a. acronyctoides* (Walker, 1861)

syn. *P. acronyctoides albosuffusa* McDunnough, 1937

ssp. *P. a. nigra* Anweiler, 2009 ‡

931399 *Panthea virginarius* (Grote, 1880) <sup>241</sup>

syn. *P. portlandia* Grote, 1896

syn. *P. angelica* (Dyar, 1921)

syn. *P. portlandia suffusa* McDunnough, 1942

931400 *Colocasia flavicornis* (Smith, 1884)

931401 *Colocasia propinquilinea* (Grote, 1873)

931402 *Pseudopanthea palata* (Grote, 1880)

931403 *Lichnoptera decora* (Morrison, 1875)

931404 *Charadra franclemonti* Anweiler & Schmidt, 2010 ‡ <sup>242</sup>

931405 *Charadra tapa* Schmidt & Anweiler, 2010 ‡

syn. *C. pata* of authors, not (Druce, 1894)

931406 *Charadra deridens* (Guenée, 1852)

syn. *C. ingenua* Smith, 1906 <sup>243</sup>

931407 *Charadra moneta* Schmidt & Anweiler, 2010 ‡

931408 *Charadra dispulsa* Morrison, 1875

931409 *Meleneta antennata* Smith, 1908

**Subfamily Diphtherinae Fibiger & Lafontaine, 2005** ‡ <sup>244</sup>

931410 *Diphthera festiva* (Fabricius, 1775)

**Subfamily Dilobinae Aurivillius, 1889** <sup>245</sup>

931411 *Raphia abrupta* Grote, 1864 <sup>246</sup>

931412 *Raphia frater* Grote, 1864 <sup>247</sup>

syn. *R. coloradensis* Putnam-Cramer, 1886

931413 *Raphia pallula* H. Edwards, 1886 <sup>248</sup>

931414 *Raphia elbea* Smith, 1908 <sup>248</sup>

931415 *Raphia cinderella* Smith, 1903 <sup>249</sup>

931416 *Raphia piazzzi* Hill, 1927 <sup>249</sup>

**Subfamily Balsinae Grote, 1896 <sup>250</sup>**

931417 *Balsa malana* (Fitch, 1856)

931418 *Balsa tristrigella* (Walker, 1866)

931419 *Balsa labecula* (Grote, 1880)

**Subfamily Acronictinae Heinemann, 1859**

931420 *Acronicta rubricoma* Guenée, 1852

931421 *Acronicta americana* (Harris, 1841)

931422 *Acronicta hastulifera* (J.E. Smith, 1797)

931423 *Acronicta insita* Walker, 1856

931424 *Acronicta dactylina* Grote, 1874 <sup>251</sup>

syn. *A. hesperida* Smith, 1897

931425 *Acronicta lepusculina* Guenée, 1852

931426 *Acronicta cyanescens* Guenée, 1852 <sup>252</sup>

931427 *Acronicta vulpina* Guenée, 1852 <sup>253</sup>

syn. *A. leporina* of authors, not Linnaeus, 1758

931428 *Acronicta innotata* Guenée, 1852

931429 *Acronicta betulae* Riley, 1884

931430 *Acronicta radcliffei* (Harvey, 1875)

931431 *Acronicta tota* (Grote, 1879)

931432 *Acronicta tritona* (Hübner, 1818)

931433 *Acronicta grisea* Walker, 1856 <sup>251</sup>

syn. *A. tartarea* Smith, 1903

931434 *Acronicta falcula* (Grote, 1877) <sup>254</sup>

syn. *A. parallela* (Grote, 1879)

syn. *A. mansueta* Smith, 1897

931435 *Acronicta exempta* Dyar, 1922

931436 *Acronicta connecta* Grote, 1873

931437 *Acronicta rapidan* (Dyar, 1912)

931438 *Acronicta funeralis* Grote & Robinson, 1866

931439 *Acronicta paupercula* Grote, 1874

931440 *Acronicta lepetita* Smith, 1908

931441 *Acronicta quadrata* Grote, 1874

931442 *Acronicta vinnula* (Grote, 1864)

931443 *Acronicta superans* Guenée, 1852

931444 *Acronicta laetifica* Smith, 1897

931445 *Acronicta hasta* Guenée, 1852

syn. *A. furcifera* Guenée, 1852 <sup>255</sup>

931446 *Acronicta thoracica* (Grote, 1880)

931447 *Acronicta strigulata* Smith, 1897

931448 *Acronicta browni* Mustelin & Leuschner, 2000 ‡

- 931449 *Acronicta atristrigatus* (Smith, 1900)
- 931450 *Acronicta theodora* Schaus, 1894
- 931451 *Acronicta beameri* Todd, 1958
- 931452 *Acronicta spinigera* Guenée, 1852
- 931453 *Acronicta morula* Grote & Robinson, 1868
- 931454 *Acronicta interrupta* Guenée, 1852
- 931455 *Acronicta lobeliae* Guenée, 1852
- 931456 *Acronicta perblanda* Ferguson, [1989] ‡
- 931457 *Acronicta valliscola* A. Blanchard, 1968
- 931458 *Acronicta fragilis* (Guenée, 1852)
- 931459 *Acronicta heitzmani* Covell & Metzler, 1992 ‡
- 931460 *Acronicta clarescens* Guenée, 1852  
syn. *A. pruni* Harris, 1869 <sup>255</sup>
- 931461 *Acronicta hamamelis* Guenée, 1852  
syn. *A. subochrea* Grote, 1874 <sup>255</sup>
- 931462 *Acronicta albarufa* Grote, 1874
- 931463 *Acronicta ovata* Grote, 1873
- 931464 *Acronicta exilis* Grote, 1874
- 931465 *Acronicta modica* Walker, 1856
- 931466 *Acronicta haesitata* (Grote, 1882)
- 931467 *Acronicta increta* Morrison, 1974 <sup>256</sup>
- 931468 *Acronicta inclara* Smith, 1900
- 931469 *Acronicta tristis* Smith, 1911
- 931470 *Acronicta retardata* (Walker, 1861)  
syn. *A. caesarea* Smith, 1905 <sup>255</sup>
- 931471 *Acronicta afflicta* Grote, 1864
- 931472 *Acronicta brumosa* Guenée, 1852
- 931473 *Acronicta marmorata* Smith, 1897
- 931474 *Acronicta impleta* Walker, 1856
- 931475 *Acronicta sperata* Grote, 1873
- 931476 *Acronicta noctivaga* Grote, 1864
- 931477 *Acronicta impressa* Walker, 1856 <sup>257</sup>  
syn. *A. acla* (Benjamin, 1933)  
syn. *A. distans* (Grote, 1879)
- 931478 *Acronicta longa* Guenée, 1852
- 931479 *Acronicta extricata* (Grote, 1882)
- 931480 *Acronicta lithospila* Grote, 1874
- 931481 *Acronicta barnesii* Smith, 1897
- 931482 *Acronicta perdita* Grote, 1874
- 931483 *Acronicta edolata* (Grote, 1881)
- 931484 *Acronicta othello* Smith, 1908
- 931485 *Acronicta oblinita* (J.E. Smith, 1797)  
syn. *A. arioch* Strecker, 1898 <sup>258</sup>
- 931486 *Acronicta sinescripta* Ferguson, [1989] ‡

- 931487 *Acronicta sagittata* McDunnough, 1940  
 931488 *Acronicta lanceolaria* (Grote, 1875)  
 931489 *Acronicta lupini* Grote, 1873<sup>259</sup>  
     syn. *A. ursina* (Smith, 1898)<sup>260</sup>  
     syn. *A. atlinensis* (Barnes & Benjamin, 1927)  
 931490 *Acronicta australis* (Mustelin & Leuschner, 2000) ‡  
 931491 *Acronicta spinea* (Grote, 1876)  
 931492 *Acronicta dolli* (Barnes & McDunnough, 1918)  
 931493 *Simyra insularis* (Herrich-Schäffer, 1868)  
     syn. *S. henrici* (Grote, 1873)<sup>261</sup>  
 931494 *Agriopodes fallax* (Herrich-Schäffer, 1854)  
 931495 *Agriopodes geminata* (Smith, 1903)  
 931496 *Agriopodes tybo* (Barnes, 1904)  
 931497 *Polygrammate hebraeicum* Hübner, 1818  
 931498 *Harrisimemna trisignata* (Walker, 1856)  
 931499 *Comachara cadburyi* Franclemont, 1939<sup>262</sup>  
 931500 *Cerma cora* Hübner, 1818<sup>263</sup>  
 931501 *Cerma cerintha* (Treitschke, 1826)  
 931502 *Cerma sirius* (Barnes & McDunnough, 1918)

**Subfamily Metoponiinae Herrich-Schäffer, [1851]<sup>264</sup>**

- 931503 *Tyta luctuosa* ([Denis & Schiffermüller], 1775)<sup>265</sup>

**Subfamily Cuculliinae Herrich-Schäffer, [1850]<sup>266</sup>**

- 931504 *Cucullia asteroides* Guenée, 1852  
 931505 *Cucullia montanae* Grote, 1882  
 931506 *Cucullia similaris* Smith, 1892  
 931507 *Cucullia omissa* Dod, 1916  
 931508 *Cucullia florea* Guenée, 1852  
     syn. *C. obscurior* Guenée, 1852<sup>267</sup>  
 931509 *Cucullia postera* Guenée, 1852  
 931510 *Cucullia lilacina* Schaus, 1898  
 931511 *Cucullia eucaena* Dyar, 1919  
 931512 *Cucullia oribac* Barnes, 1904  
     syn. *C. arizona* Smith, 1905<sup>268</sup>  
 931513 *Cucullia convexipennis* Grote & Robinson, 1868  
 931514 *Cucullia intermedia* Speyer, 1870  
 931515 *Cucullia umbratica* (Linnaeus, 1758)<sup>269</sup>  
 931516 *Cucullia speyeri* Lintner, 1874  
 931517 *Cucullia styx* Poole, 1995 ‡  
 931518 *Cucullia dorsalis* Smith, 1892<sup>270</sup>  
 931519 *Cucullia laetifica* Lintner, 1875  
 931520 *Cucullia lethe* Poole, 1995 ‡



- 931521 *Cucullia charon* Poole, 1995 ‡  
 931522 *Cucullia alfarata* Strecker, 1898  
 931523 *Cucullia eccissica* Dyar, 1919 <sup>271</sup>  
 931524 *Cucullia antipoda* Strecker, 1878 <sup>272</sup>  
     syn. *C. luteodisca* (Smith, 1909) <sup>268</sup>  
 931525 *Cucullia eureka* Poole, 1995 ‡  
 931526 *Cucullia incresa* (Smith, 1910)  
     syn. *C. jemezensis* (Dyar, 1922) <sup>268</sup>  
 931527 *Cucullia heinrichi* Barnes & Benjamin, 1924  
 931528 *Cucullia astigma* (Smith, 1894)  
 931529 *Cucullia eulepis* (Grote, 1876)  
 931530 *Cucullia cucullioides* (Barnes & Benjamin, 1923)  
 931531 *Cucullia basipuncta* (Barnes & McDunnough, 1918)  
 931532 *Cucullia mcdunnoughi* (Henne, 1940)  
 931533 *Cucullia luna* Morrison, 1875 <sup>273</sup>  
 931534 *Cucullia serraticornis* Lintner, 1874 <sup>274</sup>  
     syn. *C. solidaginis* (Strecker, 1874) <sup>275</sup>  
 931535 *Cucullia comstocki* (McDunnough, 1937)  
 931536 *Cucullia strigata* (Smith, 1892)  
     syn. *C. brucei* (Smith, 1903) <sup>268</sup>  
     syn. *C. ketchikana* (Barnes & Benjamin, 1922) <sup>268</sup>  
 931537 *Cucullia albida* Smith, 1894  
     syn. *C. albicinerea* (Smith, 1903) <sup>268</sup>  
 931538 *Cucullia pulla* (Grote, 1881) <sup>276</sup>  
     syn. *C. spauldingi* (Barnes & Benjamin, 1922) <sup>277</sup>  
 931539 *Cucullia dammersi* (McDunnough, 1935)  
 931540 *Dolocucullia dentilinea* (Smith, 1899) <sup>278</sup>  
 931541 *Dolocucullia minor* (Barnes & McDunnough, 1913)  
 931542 *Opsigalea blanchardi* Todd, 1966  
 931543 *Emariannia cucullidea* Benjamin, 1933

**Subfamily Amphipyridae Guenée, 1837 <sup>279</sup>**

**Tribe Amphipyridini Guenée, 1837**

- 931544 *Amphipyra pyramidoides* Guenée, 1852  
 931545 *Amphipyra tragopoginis* (Clerck, 1759)  
 931546 *Amphipyra glabella* (Morrison, 1874)  
 931547 *Amphipyra brunneoatra* Strand, 1916

**Tribe Psaphidini Grote, 1896 <sup>280</sup>**

**Subtribe Psaphidina Grote, 1896**

- 931548 *Psaphida resumens* Walker, 1865 <sup>281</sup>  
 931549 *Psaphida thaxterianus* (Grote, 1874)  
 931550 *Psaphida rolandi* Grote, 1874  
 931551 *Psaphida grandis* Smith, 1898

- 931552 *Psaphida electilis* (Morrison, 1875) <sup>281</sup>  
 931553 *Psaphida styracis* (Guenée, 1852) <sup>281</sup>  
 931554 *Psaphida damalis* (Grote, 1879)  
 931555 *Pseudocopivaleria sonoma* (McDunnough, 1941)  
 931556 *Pseudocopivaleria anaverta* Buckett & Bauer, 1966  
 931557 *Copivaleria grotei* (Morrison, 1874)  
 931558 *Brachionycha borealis* (Smith, 1899)  
 931559 *Pleromella opter* Dyar, 1921  
 931560 *Provia argentata* Barnes & McDunnough, 1910  
**Subtribe Feraliina Poole, 1995 ‡ <sup>282</sup>**  
 931561 *Feralia jocosa* (Guenée, 1852)  
 931562 *Feralia deceptiva* McDunnough, 1920  
 931563 *Feralia major* Smith, 1890  
 931564 *Feralia comstocki* (Grote, 1874)  
 931565 *Feralia februalis* Grote, 1874  
 931566 *Feralia meadowsi* Buckett, 1968  
 931567 *Miracavira brillians* (Barnes, 1901) <sup>283</sup>  
 931568 *Miracavira sylvia* (Dyar, 1913)  
 931569 *Paratrachea viridescens* (Barnes & McDunnough, 1918) <sup>283</sup>  
 931570 *Apsaphida eremna* Franclemont, 1973 <sup>283</sup>  
 931571 *Viridemas galena* Smith, 1908 <sup>283</sup>  
 931572 *Supralathosea baboquivariensis* Barnes & Benjamin, 1924  
 931573 *Supralathosea pronuba* (Barnes & McDunnough, 1916)  
 931574 *Supralathosea obtusa* (Smith, 1909)  
**Subtribe Nocloina Poole, 1995 ‡ <sup>284</sup>**  
 931575 *Oslaria viridifera* (Grote, 1882)  
 931576 *Oslaria pura* (Barnes & McDunnough, 1911)  
 931577 *Nocloa plagiata* Smith, 1906  
 931578 *Nocloa rivulosa* Smith, 1906  
 931579 *Nocloa pallens* (Tepper, 1882)  
 931580 *Nocloa cordova* (Barnes, 1907)  
 931581 *Nocloa nanata* (Neumögen, 1884)  
 931582 *Nocloa pilacho* (Barnes, 1904)  
 931583 *Nocloa alcandra* (Druce, 1890)  
 931584 *Nocloa aliaga* (Barnes, 1905)  
 931585 *Nocloa duplicatus* (Smith, 1891)  
 931586 *Paramiana callaisata* A. Blanchard, 1972 <sup>285</sup>  
 931587 *Paramiana smaragdina* (Neumögen, 1884)  
 931588 *Paramiana marina* (Smith, 1906)  
 931589 *Paramiana perissa* Nye, 1975  
 931590 *Paramiana canoa* (Barnes, 1907)  
 931591 *Euamiana endopolia* (Dyar, 1912) <sup>285</sup>  
       syn. *E. exculta* (A. Blanchard & Knudson, 1986) ‡ <sup>286</sup>

- 931592 *Euamiana contrasta* (Barnes & McDunnough, 1910)
- 931593 *Euamiana adusta* A. Blanchard & Knudson, 1986 ‡
- 931594 *Euamiana dissimilis* (Barnes & McDunnough, 1910)
- 931595 *Euamiana torniplaga* (Barnes & McDunnough, 1916)
- 931596 *Ruacodes tela* (Smith, 1900)
- 931597 *Petalumaria californica* (Buckett & Bauer, 1965)
- 931598 *Redingtonia alba* Barnes & McDunnough, 1912
- 931599 *Sexserrata hampsoni* Barnes & Benjamin, 1922
- 931600 *Lythrodes radiatus* Smith, 1903
- 931601 *Lythrodes venatus* Smith, 1903
- 931602 *Lythrodes tripuncta* Barnes & McDunnough, 1911
- 931603 *Prothrinax luteomedia* (Smith, 1907)
- 931604 *Walterella ocellata* (Barnes & McDunnough, 1910)
- 931605 *Emarginea pallida* (Smith, 1902)
- 931606 *Emarginea percara* (Morrison, 1875)
- 931607 *Emarginea dulcinea* Dyar, 1921
- Subtribe Triocnemidina Poole, 1995 ‡<sup>287</sup>**
- 931608 *Policocnemis unguatus* Benjamin, 1932
- 931609 *Triocnemis saporis* Grote, 1881
- 931610 *Crimona pallimedia* Smith, 1902
- 931611 *Oxycnemis advena* Grote, 1882
- 931612 *Oxycnemis gracillinea* (Grote, 1881)  
syn. *O. gracillima* of authors, misspelling
- 931613 *Oxycnemis acuna* Barnes, 1907
- 931614 *Oxycnemis gustis* Smith, 1907
- 931615 *Oxycnemis fusimacula* Smith, 1902
- 931616 *Oxycnemis erratica* Barnes & McDunnough, 1913
- 931617 *Oxycnemis grandimacula* Barnes & McDunnough, 1910
- 931618 *Leucocnemis perfundis* (Smith, 1894)
- 931619 *Leucocnemis nivalis* (Smith, 1894)
- 931620 *Leucocnemis obscurella* Barnes & McDunnough, 1916
- 931621 *Leucocnemis variabilis* Barnes & McDunnough, 1918
- 931622 *Unciella flagrantis* (Smith, 1893)<sup>288</sup>
- 931623 *Unciella primula* (Barnes & McDunnough, 1918)
- 931624 *Gloanna grisescens* (Barnes & Lindsey, 1921)
- 931625 *Gloanna hecate* A. Blanchard & Knudson, 1983 ‡
- 931626 *Acopa carina* Harvey, 1875
- 931627 *Acopa perpallida* Grote, 1878
- 931628 *Nacopa bistrigata* (Barnes & McDunnough, 1918)
- 931629 *Nacopa melanderi* Barnes & Benjamin, 1927
- 931630 *Fota armata* Grote, 1882
- 931631 *Fota minorata* Grote, 1882
- 931632 *Eviridemias minuta* (Barnes & McDunnough, 1910)

- 931633 *Aleptina inca* Dyar, 1902 <sup>289</sup>
- 931634 *Aleptina junctimacula* A. Blanchard, 1984 ‡
- 931635 *Aleptina aleptivoides* (Barnes & McDunnough, 1912) <sup>290</sup>
- 931636 *Aleptina clinopetes* (Dyar, 1920) <sup>291</sup>
- 931637 “*Aleptina*” *semiatra* (Smith 1902) <sup>290</sup>
- 931638 *Anycteola fotelloides* (Barnes & McDunnough, 1916)
- 931639 *Copibryophila angelica* Smith, 1900
- 931640 *Metaponpneumata rogenhoferi* Möschler, 1890
- 931641 *Airamia albiocula* (Barnes & McDunnough, 1918)
- Tribe Psaphidini (*incertae sedis*)**
- 931642 *Cropia connecta* (Smith, 1894)
- 931643 *Cropia ruthaea* Dyar, 1910 <sup>292</sup>
- 931644 *Cropia templada* (Schaus, 1906)
- Tribe Stiriini Grote, 1882 <sup>293</sup>**
- Subtribe Stiriina Grote, 1882 <sup>294</sup>**
- 931645 *Fala ptychophora* Grote, 1875
- 931646 *Plagiomimicus ochoa* (Barnes, 1904) <sup>295</sup>
- 931647 *Plagiomimicus olvello* Barnes, 1907
- 931648 *Plagiomimicus dimidiata* Grote, 1877
- 931649 *Plagiomimicus aureolum* (H. Edwards, 1882)
- 931650 *Plagiomimicus heitzmani* Poole, 1995 ‡
- 931651 *Plagiomimicus spumosum* (Grote, 1874)  
syn. *P. mavina* (Barnes & McDunnough, 1910) <sup>296</sup>
- 931652 *Plagiomimicus caesium* (A. Blanchard & Knudson, 1984) ‡
- 931653 *Plagiomimicus manti* (Barnes, 1904)
- 931654 *Plagiomimicus curiosum* (Neumögen, 1884)
- 931655 *Plagiomimicus astigmatosum* (Dyar, 1921)
- 931656 *Plagiomimicus hilli* (Barnes & Benjamin, 1923)
- 931657 *Plagiomimicus kathya* Adams, 2009 ‡
- 931658 *Plagiomimicus navia* (Harvey, 1875), misplaced <sup>297</sup>
- 931659 *Plagiomimicus tepperi* (Morrison, 1875) <sup>295</sup>
- 931660 *Plagiomimicus mimica* Poole, 1995 ‡
- 931661 *Plagiomimicus pityochromus* Grote, 1873 <sup>295</sup>
- 931662 *Plagiomimicus triplagiatus* Smith, 1890
- 931663 *Plagiomimicus expallidus* Grote, 1883
- 931664 *Cuahtemoca unicum* (Barnes & Benjamin, 1926) <sup>298</sup>
- 931665 *Lineostriastiria hachita* (Barnes, 1904) <sup>299</sup>
- 931666 *Lineostriastiria sexseriata* (Grote, 1881)
- 931667 *Lineostriastiria biundulalis* (Zeller, 1872)
- 931668 *Lineostriastiria olivalis* (Barnes & McDunnough, 1916)
- 931669 *Lineostriastiria hutsoni* (Smith, 1907)
- 931670 *Xanthothrix neumogeni* H. Edwards, 1881
- 931671 *Xanthothrix ranunculi* H. Edwards, 1878



- 931672 *Chrysoecia scira* (Druce, 1889)  
 931673 *Chrysoecia gladiola* (Barnes, 1907)  
 931674 *Chrysoecia atrolinea* (Barnes & McDunnough, 1912) <sup>300</sup>  
     syn. *C. dela* of authors, not (Druce, 1894)  
 931675 *Chrysoecia thoracica* (H. Edwards, 1884) <sup>301</sup>  
 931676 *Basilodes pepita* Guenée, 1852  
 931677 *Basilodes straminea* Poole, 1995 ‡  
 931678 *Basilodes chrysopsis* Grote, 1881  
 931679 *Hoplolythroides arivaca* (Barnes, 1907) <sup>299</sup>  
 931680 *Cirrhophanus dyari* Cockerell, 1899  
 931681 *Cirrhophanus triangulifer* Grote, 1872  
 931682 *Cirrhophanus pretiosa* (Morrison, 1875) <sup>302</sup>  
 931683 *Eulithosia composita* H. Edwards, 1884  
 931684 *Eulithosia discistriga* (Smith, 1903) <sup>303</sup>  
 931685 *Eulithosia plesioglauca* (Dyar, 1912)  
 931686 *Eulithosia papago* Barnes, 1907  
 931687 *Angulostiria chryseochilus* (Dyar, 1909) <sup>304</sup>  
 931688 *Stiria rugifrons* Grote, 1874  
 931689 *Stiria intermixta* Dyar, 1918 <sup>305</sup>  
 931690 *Stiria dyari* Hill, 1924  
 931691 *Stiria blanchardi* (Hogue, 1966)  
 931692 *Stiria sulphurea* Neumögen, 1882  
 931693 *Stiria satana* Poole, 1995 ‡  
 931694 *Stiria consuela* Strecker, 1900  
 931695 *Chalcopasta territans* (H. Edwards, 1884)  
 931696 *Chalcopasta howardi* (H. Edwards, 1877)  
 931697 *Chalcopasta fulgens* Barnes & McDunnough, 1912  
 931698 *Chalcopasta acema* (Druce, 1889)  
 931699 *Neumoegenia poetica* Grote, 1882  
     **Subtribe Grotellina Poole, 1995 ‡** <sup>306</sup>  
 931700 *Grotella septempunctata* Harvey, 1875  
 931701 *Grotella harveyi* Barnes & Benjamin, 1922  
 931702 *Grotella sampita* Barnes, 1907  
 931703 *Grotella blanca* Barnes, 1904  
 931704 *Grotella dis* Grote, 1883  
 931705 *Grotella parvipuncta* Barnes & McDunnough, 1912  
 931706 *Grotella stretchii* Barnes & Benjamin, 1922  
 931707 *Grotella vagans* Barnes & Benjamin, 1922  
 931708 *Grotella binda* Barnes, 1907  
 931709 *Grotella tricolor* Barnes, 1904  
 931710 *Grotella soror* Barnes & McDunnough, 1912  
 931711 *Grotella margueritaria* A. Blanchard, 1968  
 931712 *Grotella grisescens* (Barnes & McDunnough, 1910)

- 931713 *Grotella olivacea* Barnes & McDunnough, 1911  
 931714 *Grotella citronella* Barnes & McDunnough, 1916  
 931715 *Grotella vauriae* McElvare, 1950  
 931716 *Grotella blanchardi* McElvare, 1966  
 931717 *Neogrotella confusa* Barnes & Benjamin, 1922  
 931718 *Neogrotella spaldingi* (Barnes & McDunnough, 1913)  
 931719 *Neogrotella macdunnoughi* Barnes & Benjamin, 1922  
 931720 *Hemigrotella argenteostriata* Barnes & McDunnough, 1918  
 931721 *Podagra crassipes* Smith, 1902  
 931722 *Grotellaforma lactea* (Stretch, 1885)  
 931723 *Homolagoa grotelliformis* Barnes & McDunnough, 1912  
**Subtribe Azeniina Poole, 1995 ‡<sup>307</sup>**  
 931724 *Azenia obtusa* (Herrich-Schäffer, 1854)  
 931725 *Azenia edentata* Grote, 1883  
 931726 *Azenia perflava* (Harvey, 1875)  
 931727 *Azenia virida* Barnes & McDunnough, 1916  
 931728 *Azenia implora* Grote, 1883  
 931729 *Azenia templetonae* Clarke, 1937  
 931730 *Narthecophora pulvereana* Smith, 1900  
 931731 *Aleptinoides ochrea* Barnes & McDunnough, 1912  
 931732 *Tristyla alboplagiata* Smith, 1893  
**Subtribe Annaphilina Mustelin, 2006 ‡**  
 931733 *Axenus arvalis* Grote, 1873  
 931734 *Annaphila danistica* Grote, 1873  
 931735 *Annaphila hennei* Rindge & Smith, 1952  
 931736 *Annaphila mera* Harvey, 1875  
 931737 *Annaphila pustulata* H. Edwards, 1881  
 931738 *Annaphila arvalis* H. Edwards, 1875  
 931739 *Annaphila abdita* Rindge & Smith, 1952  
 931740 *Annaphila scurlockorum* Sala & Mustelin, 2006 ‡  
 931741 *Annaphila baueri* Rindge & Smith, 1952  
 931742 *Annaphila astrologa* Barnes & McDunnough, 1918  
 931743 *Annaphila vivianae* Sala, 1964  
 931744 *Annaphila pseudoastrologa* Sala, 1964  
 931745 *Annaphila olgae* Sala, 1964  
 931746 *Annaphila ida* Rindge & Smith, 1952  
 931747 *Annaphila divinula* Grote, 1878  
 931748 *Annaphila lithosina* H. Edwards, 1875  
 931749 *Annaphila miona* Smith, 1908  
 931750 *Annaphila casta* H. Edwards, 1890  
 931751 *Annaphila depicta* Grote, 1873  
 931752 *Annaphila macfarlandi* Buckett & Bauer, 1964  
 931753 *Annaphila decia* Grote, 1875

- 931754 *Annaphila diva* Grote, 1873  
 931755 *Annaphila superba* H. Edwards, 1875  
 931756 *Annaphila spila* Rindge & Smith, 1952  
 931757 *Annaphila evansi* Rindge & Smith, 1952

**Tribe Stiriini (*incertae sedis*)**

- 931758 *Argentostiria koebelei* (Riley, 1893) <sup>308</sup>  
 931759 *Chamaeclea pernana* (Grote, 1881)  
 931760 *Chamaeclea basiochrea* Barnes & McDunnough, 1916  
 931761 *Bistica noela* (Druce, 1892)  
 931762 *Hemioslaria pima* Barnes & Benjamin, 1924  
 931763 *Heminocloa mirabilis* (Neumögen, 1884)  
 931764 *Thurberiphaga diffusa* (Barnes, 1904)

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- 931765 *Catabena lineolata* Walker, 1865  
 931766 *Catabena sagittata* Barnes & McDunnough, 1913  
 931767 *Catabenoides vitrina* (Walker, 1857) <sup>310</sup>  
 931768 *Catabenoides terminellus* (Grote, 1883)  
 931769 *Catabenoides divisa* (Herrich-Schäffer, 1868)  
 931770 *Neogalea sunia* (Guenée, 1852)  
     syn. *N. esula* (Druce, 1889) <sup>311</sup>  
 931771 *Calophasia lunula* (Hufnagel, 1766)  
 931772 *Pseudacontia louisa* Smith, 1908  
 931773 *Pseudacontia crustaria* (Morrison, 1875)  
 931774 *Pseudacontia cansa* Smith, 1908  
 931775 *Behrensia conchiformis* Grote, 1875  
 931776 *Behrensia bicolor* McDunnough, 1941  
 931777 *Pleromelloida conserta* (Grote, 1881) <sup>312</sup>  
     syn. *P. obliquata* (Smith, 1891)  
 931778 *Pleromelloida bonuscula* (Smith, 1898)  
 931779 *Pleromelloida arizonata* (Barnes & Benjamin, 1922)  
 931780 *Pleromelloida cinerea* (Smith, 1904)  
 931781 *Copanarta aurea* (Grote, 1879)  
     syn. *C. nigerrima* (Smith, 1903) <sup>313</sup>  
 931782 *Copanarta sexpunctata* Barnes & McDunnough, 1916 <sup>314</sup>  
 931783 *Stylopoda cephalica* Smith, 1891  
 931784 *Stylopoda groteana* (Dyar, 1903)  
 931785 *Stylopoda modestella* (Barnes & McDunnough, 1918)  
 931786 *Stylopoda anxia* Smith, 1908  
 931787 *Sympistis poliafascies* (Dyar, 1910) <sup>315</sup>  
 931788 *Sympistis wilsonensis* (Hill, 1924)  
 931789 *Sympistis polingii* (Barnes, 1904)  
 931790 *Sympistis bakeri* (Dyar, 1905)

- 931791 *Sympistis melalutea* (Smith, 1899)  
 931792 *Sympistis laticosta* (Dyar, 1904)  
 931793 *Sympistis coprocolor* (Troubridge & Crabo, (1999)) ‡  
 931794 *Sympistis terminalis* (Smith, 1888)  
 931795 *Sympistis corusca* (Smith, 1899)  
 931796 *Sympistis sorapis* Troubridge, 2008 ‡  
 931797 *Sympistis perscripta* (Guenée, 1852) <sup>316</sup>  
 931798 *Sympistis behrensi* (Grote, 1874)  
 931799 *Sympistis albifasciata* (Hampson, 1906)  
 931800 *Sympistis saundersiana* (Grote, 1876)  
 931801 *Sympistis occata* (Grote, 1875)  
 931802 *Sympistis umbrifascia* (Smith, 1894)  
 931803 *Sympistis satanella* (Troubridge & Crabo, (1999)) ‡  
 931804 *Sympistis balteata* (Smith, 1902)  
 931805 *Sympistis aterrima* (Grote, 1879)  
 931806 *Sympistis aep* Troubridge, 2008) ‡  
 931807 *Sympistis tenuifascia* (Smith, 1888)  
     syn. *S. mus* (Troubridge & Crabo, (1999)) ‡ <sup>317</sup>  
 931808 *Sympistis parvanigra* (Blackmore, 1923)  
 931809 *Sympistis parvacana* (Troubridge & Crabo, (1999)) ‡  
 931810 *Sympistis viriditincta* (Smith, 1894)  
 931811 *Sympistis tetrops* (Dyar, 1904)  
 931812 *Sympistis knudsoni* Troubridge, 2008 ‡  
 931813 *Sympistis khepri* Troubridge, 2008 ‡  
 931814 *Sympistis min* Troubridge, 2008 ‡  
 931815 *Sympistis subsimplex* (Dyar, 1904) <sup>318</sup>  
 931816 *Sympistis apposita* (Barnes & McDunnough, 1918) <sup>319</sup>  
 931817 *Sympistis stabilis* (Smith, 1895) <sup>320</sup>  
 931818 *Sympistis induta* (Harvey, 1874) <sup>321</sup>  
 931819 *Sympistis punctilinea* (Hampson, 1906)  
 931820 *Sympistis rayata* (Smith, 1908) <sup>321</sup>  
 931821 *Sympistis badistriga* (Grote, 1872)  
 931822 *Sympistis fifia* (Dyar, 1904)  
 931823 *Sympistis dinalda* (Smith, 1908) <sup>321</sup>  
 931824 *Sympistis kappa* (Grote, 1874) <sup>321</sup>  
     syn. *S. retroversa* (Morrison, 1875) <sup>317</sup>  
 931825 *Sympistis infixa* (Walker, 1856)  
 931826 *Sympistis incommitata* (Harvey, 1875)  
 931827 *Sympistis inconstans* (Grote, 1883)  
 931828 *Sympistis rustica* (Barnes & McDunnough, 1911)  
 931829 *Sympistis kelsoensis* (Robertson & Mustelin, 2006) ‡  
 931830 *Sympistis intruda* (Smith, 1910)  
 931831 *Sympistis iricolor* (Smith, 1888)



- 931832 *Sympistis simplex* (Smith, 1888)
- 931833 *Sympistis lachrymosa* Troubridge, 2008 ‡
- 931834 *Sympistis goedeni* (Troubridge & Crabo, (1999)) ‡
- 931835 *Sympistis glennyi* (Grote, 1873)  
syn. *S. phairi* (McDunnough, 1927) <sup>317</sup>
- 931836 *Sympistis lepipoloides* (McDunnough, 1922)
- 931837 *Sympistis tartarea* (Troubridge & Crabo, (1999)) ‡
- 931838 *Sympistis baloghi* Troubridge, 2008 ‡
- 931839 *Sympistis jenniferae* Troubridge, 2008 ‡
- 931840 *Sympistis osiris* Troubridge, 2008 ‡
- 931841 *Sympistis isis* Troubridge, 2008 ‡
- 931842 *Sympistis horus* Troubridge, 2008 ‡
- 931843 *Sympistis levis* (Grote, 1880)
- 931844 *Sympistis incubus* Troubridge, 2008 ‡
- 931845 *Sympistis duplex* (Troubridge & Mustelin, 2006) ‡
- 931846 *Sympistis seth* Troubridge, 2008 ‡
- 931847 *Sympistis sesmu* Troubridge, 2008 ‡
- 931848 *Sympistis insanina* Troubridge, 2008 ‡
- 931849 *Sympistis sanina* (Smith, 1910)
- 931850 *Sympistis sakhmet* Troubridge, 2008 ‡
- 931851 *Sympistis ptah* Troubridge, 2008 ‡
- 931852 *Sympistis jocelynae* Troubridge, 2008 ‡
- 931853 *Sympistis poliochroa* (Hampson, 1906) <sup>322</sup>
- 931854 *Sympistis ibapahensis* (Barnes & Benjamin, 1924)
- 931855 *Sympistis extranea* (Smith, 1892)
- 931856 *Sympistis utahensis* (Barnes & Benjamin, 1924)
- 931857 *Sympistis chandleri* (Grote, 1873) <sup>322</sup>  
syn. *S. colorado* (Smith, 1893)
- 931858 *Sympistis mackiei* (Barnes & Benjamin, 1924)
- 931859 *Sympistis cibalis* (Grote, 1880)
- 931860 *Sympistis amenthes* Troubridge, 2008 ‡
- 931861 *Sympistis mirificalis* (Grote, 1879)
- 931862 *Sympistis euta* (Smith, 1903)
- 931863 *Sympistis regina* (Smith, 1902)
- 931864 *Sympistis nita* (Smith, 1910)
- 931865 *Sympistis augustus* (Harvey, 1875)
- 931866 *Sympistis sandaraca* (Buckett & Bauer, 1967)
- 931867 *Sympistis hayesi* (Grote, 1873)
- 931868 *Sympistis anubis* Troubridge, 2008 ‡
- 931869 *Sympistis pudorata* (Smith, 1893)
- 931870 *Sympistis melantho* (Smith, 1899)
- 931871 *Sympistis acheron* Troubridge, 2008 ‡
- 931872 *Sympistis cocytus* Troubridge, 2008 ‡

- 931873 *Sympistis rosea* (Smith, 1903)
- 931874 *Sympistis nigrocaput* (Smith, 1892)
- 931875 *Sympistis riparia* (Morrison, 1875)
- 931876 *Sympistis aqualis* (Grote, 1881) <sup>323</sup>  
syn. *S. sala* (Mustelin, 2006) ‡
- 931877 *Sympistis amun* Troubridge, 2008 ‡
- 931878 *Sympistis major* (Grote, 1881) <sup>324</sup>  
syn. *S. deserticola* (McDunnough, 1941) <sup>325</sup>
- 931879 *Sympistis richersi* Troubridge, 2008 ‡
- 931880 *Sympistis mut* Troubridge, 2008 ‡
- 931881 *Sympistis chons* Troubridge, 2008 ‡
- 931882 *Sympistis nenun* Troubridge, 2008 ‡
- 931883 *Sympistis curvicollis* (Grote, 1883)
- 931884 *Sympistis pachet* Troubridge, 2008 ‡
- 931885 *Sympistis obscurata* (Barnes & McDunnough, 1912)
- 931886 *Sympistis deserta* (Smith, 1891)  
syn. *S. simplicia* (Smith, 1903) <sup>317</sup>
- 931887 *Sympistis arizonensis* (Barnes, 1928)
- 931888 *Sympistis homogena* (Grote, 1877)
- 931889 *Sympistis sobek* Troubridge, 2008 ‡
- 931890 *Sympistis ra* Troubridge, 2008 ‡
- 931891 *Sympistis khem* Troubridge, 2008 ‡
- 931892 *Sympistis septu* Troubridge, 2008 ‡
- 931893 *Sympistis hathor* Troubridge, 2008 ‡
- 931894 *Sympistis columbia* (McDunnough, 1922)
- 931895 *Sympistis pallida* (Barnes, 1928)
- 931896 *Sympistis helena* (Mustelin, 2006) ‡
- 931897 *Sympistis cherti* Troubridge, 2008 ‡
- 931898 *Sympistis youngi* (McDunnough, 1922)
- 931899 *Sympistis heterogena* (A. Blanchard, 1972)
- 931900 *Sympistis cleopatra* Troubridge, 2008 ‡
- 931901 *Sympistis pernotata* (Grote, 1883)
- 931902 *Sympistis apis* Troubridge, 2008 ‡
- 931903 *Sympistis buchis* Troubridge, 2008 ‡
- 931904 *Sympistis fortis* (Grote, 1880) <sup>326</sup>
- 931905 *Sympistis picina* (Grote, 1880) <sup>327</sup>
- 931906 *Sympistis chionanthi* (J.E. Smith, 1797) <sup>328</sup>
- 931907 *Sympistis barnesii* (Smith, 1899)
- 931908 *Sympistis chalybdis* (Troubridge & Crabo, (1999)) ‡
- 931909 *Sympistis piffardi* (Walker, 1862)
- 931910 *Sympistis funebris* (Hübner, [1809])
- 931911 *Sympistis dentata* (Grote, 1875) <sup>329</sup>  
syn. *S. pyralis* (Smith, 1895) <sup>330</sup>  
syn. *S. purpurea* (McDunnough, 1940) <sup>330</sup>

- 931912 *Sympistis anweileri* Troubridge & Lafontaine, 2008 ‡
- 931913 *Sympistis californiae* (McDunnough, 1946) <sup>329</sup>
- 931914 *Sympistis lacticollis* (Smith, 1908)
- 931915 *Sympistis chorda* (Grote, 1880)
- 931916 *Sympistis hapi* Troubridge, 2008 ‡
- 931917 *Sympistis sokar* Troubridge, 2008 ‡
- 931918 *Sympistis dischorda* Troubridge, 2008 ‡
- 931919 *Sympistis buto* Troubridge, 2008 ‡
- 931920 *Sympistis extremis* (Smith, 1890) <sup>331</sup>
- 931921 *Sympistis doris* Dimock & Troubridge, 2008 ‡
- 931922 *Sympistis astrigata* (Barnes & McDunnough, 1912)
- 931923 *Sympistis babi* Troubridge, 2008 ‡
- 931924 *Sympistis meadiana* (Morrison, 1875)
- 931925 *Sympistis orbicularis* (Barnes & McDunnough, 1912)
- 931926 *Sympistis dunbari* (Harvey, 1876)
- 931927 *Sympistis definita* (Barnes & McDunnough, 1912) <sup>332</sup>
- 931928 *Sympistis wilsoni* Barnes & Benjamin, 1924
- 931929 *Sympistis lapponica* (Thunberg, 1791)
- 931930 *Sympistis heliophila* (Paykull, 1793)  
syn. *S. melaleuca* (Thunberg, 1791) <sup>333</sup>
- 931931 *Sympistis nigrita* (Boisduval, 1840)  
ssp. *S. n. zetterstedtii* (Staudinger, 1857) <sup>334</sup>  
ssp. *S. n. kolthoffi* (Aurivillius, 1890) <sup>335</sup>  
syn. *S. besla* (Skinner & Mengel, 1892) <sup>336</sup>  
syn. *S. labradoris* (Staudinger, 1901) <sup>336</sup>
- 931932 *Sympistis fasciata* (H. Edwards, 1886)
- 931933 *Sympistis basifugens* (Dyar, 1914)
- 931934 *Sympistis modesta* (McDunnough, 1933)
- 931935 *Sympistis deceptiva* (Barnes & Lindsey, 1922)
- 931936 *Sympistis benjamini* (Lindsey, 1923)
- 931937 *Sympistis linda* (Barnes & McDunnough, 1913)
- 931938 *Sympistis sagittata* (Barnes & McDunnough, 1916)
- 931939 *Sympistis shirleyae* Troubridge, 2008 ‡
- 931940 *Sympistis saxatilis* (Troubridge & Crabo, (1999)) ‡
- 931941 *Sympistis opleri* Troubridge, 2008 ‡
- 931942 *Sympistis dayi* (Grote, 1873)
- 931943 *Sympistis kelloggii* (H. Edwards, 1875)
- 931944 *Sympistis atricollaris* (Harvey, 1875)
- 931945 *Sympistis cottami* (A. Blanchard, 1972)
- 931946 *Sympistis figurata* (Harvey, 1875)
- 931947 *Sympistis disfigurata* Troubridge, 2008 ‡
- 931948 *Sympistis pallidior* (Barnes, 1928) <sup>337</sup>
- 931949 *Sympistis minor* (Barnes, 1928)
- 931950 *Sympistis greyi* (Troubridge & Crabo, (1999)) ‡

- 931951 *Sympistis ragani* (Barnes, 1928)
- 931952 *Sympistis semicollaris* (Smith, 1909)
- 931953 *Sympistis collaris* Troubridge, 2008 ‡
- 931954 *Sympistis griseicollis* (Grote, 1882)
- 931955 *Sympistis sectilis* (Smith, 1894)
- 931956 *Sympistis sectiloides* (Barnes & McDunnough, 1913)
- 931957 *Sympistis bes* Troubridge, 2008 ‡
- 931958 *Sympistis franclemonti* (A. Blanchard, 1968)
- 931959 *Sympistis shait* Troubridge, 2008 ‡
- 931960 *Sympistis singularis* (Barnes & McDunnough, 1912)
- 931961 *Sympistis toddi* (A. Blanchard, 1968)
- 931962 *Sympistis ciliata* Smith, 1900

#### **Subfamily Agaristinae Herrich-Schäffer, [1858]**

- 931963 *Xerociris wilsonii* (Grote, 1863)
- 931964 *Eudryas unio* (Hübner, [1831])
- 931965 *Eudryas brevipennis* Stretch, 1872
- 931966 *Eudryas grata* (Fabricius, 1793)
- 931967 *Gerra radicalis* Walker, [1865]
- 931968 *Gerra seversa* (Grote, 1882)
- 931969 *Gerrodes minatea* Dyar, 1912
- 931970 *Neotuerta hemicycla* (Hampson, 1904)
- 931971 *Caularis lunata* Hampson, 1904
- 931972 *Euscirrhopterus gloveri* Grote & Robinson, 1868
- 931973 *Euscirrhopterus poeyi* Grote, 1866 <sup>338</sup>
- 931974 *Euscirrhopterus cosyra* (Druce, 1896)
- 931975 *Psychomorpha epimenis* (Drury, 1782)
  - ssp. *P. e. epimenis* (Drury, 1782)
  - ssp. *P. e. euryrhoda* Hampson, 1910 <sup>339</sup>
- 931976 *Eupseudomorpha brillians* (Neumögen, 1880)
- 931977 *Alypiodes bimaculata* (Herrich-Schäffer, 1853)
- 931978 *Alypiodes geronimo* (Barnes, 1900)
- 931979 *Alypia octomaculata* (Fabricius, 1775)
  - ssp. *A. o. octomaculata* (Fabricius, 1775)
  - syn. *A. dipsaci* Grote & Robinson, 1868 <sup>340</sup>
  - ssp. *A. o. matuta* H. Edwards, 1883 <sup>341</sup>
- 931980 *Alypia wittfeldii* H. Edwards, 1883
- 931981 *Alypia langtoni* Couper, 1865
  - syn. *A. brannani* (Stretch, 1872) <sup>342</sup>
- 931982 *Alypia ridingsii* Grote, 1865
- 931983 *Alypia mariposa* Grote & Robinson, 1868
- 931984 *Androloma maccullochii* (W. Kirby, 1837)
- 931985 *Androloma disparata* (H. Edwards, 1884)



**Subfamily Condicinae Poole, 1995 ‡<sup>343</sup>**

**Tribe Condicini Poole, 1995 ‡**

- 931986 *Perigea xanthioides* Guenée, 1852
- 931987 *Perigea enixa* Grote, 1875<sup>344</sup>
- 931988 *Perigea berinda* Druce, 1889<sup>345</sup>
- 931989 *Condica videns* (Guenée, 1852)<sup>346</sup>
- 931990 *Condica temecula* (Barnes, 1905)
- 931991 *Condica discistriga* (Smith, 1894)
- 931992 *Condica mobilis* (Walker, [1857])
- 931993 *Condica mersa* (Morrison, 1875)
- 931994 *Condica albolabes* (Grote, 1880)
- 931995 *Condica vecors* (Guenée, 1852)
- 931996 *Condica orta* (Barnes & McDunnough, 1912)
- 931997 *Condica concisa* (Walker, 1856)
- 931998 *Condica sutor* (Guenée, 1852)
- 931999 *Condica claufacta* (Walker, 1857)<sup>347</sup>  
syn. *C. cervina* (Smith, 1900)
- 932000 *Condica proxima* (Morrison, 1876)
- 932001 *Condica punctifera* (Walker, [1857])<sup>348</sup>
- 932002 *Condica albigera* (Guenée, 1852)
- 932003 *Condica vacillans* (Walker, 1858)<sup>349</sup>
- 932004 *Condica parista* (Schaus, 1921)<sup>350</sup>  
syn. *C. pyromphalus* of authors, not (Dyar, 1913)
- 932005 *Condica hypocritica* of authors, not (Dyar, 1907)<sup>351</sup>  
syn. *C. subornata* of authors, not (Walker, 1865)
- 932006 *Condica revellata* (Barnes & Benjamin, 1924)<sup>352</sup>
- 932007 *Condica leucorena* (Smith, 1900)
- 932008 *Condica andrena* (Smith, 1911)  
syn. *C. funeralis* (Hill, 1924)<sup>353</sup>
- 932009 *Condica lunata* (Barnes & McDunnough, 1916)
- 932010 *Condica begallo* (Barnes, 1905)
- 932011 *Condica egestis* (Smith, 1894)
- 932012 *Condica ignota* (Barnes & Benjamin, 1924)
- 932013 *Condica morsa* (Smith, 1907)
- 932014 *Condica cupentia* (Cramer, 1780)
- 932015 *Condica confederata* (Grote, 1873)
- 932016 *Stibaera curvilineata* (Hampson, 1924)
- 932017 *Stibaera thyatiroides* (Barnes & Benjamin, 1924)
- 932018 *Ogdoconta cinereola* (Guenée, 1852)
- 932019 *Ogdoconta moreno* Barnes, 1907
- 932020 *Ogdoconta sexta* Barnes & McDunnough, 1913
- 932021 *Ogdoconta altura* Barnes, 1904
- 932022 *Ogdoconta tacna* (Barnes, 1904)

- 932023 *Ogdoconta* sp. not *O. lilacina* (Druce, 1890) <sup>354</sup>
- 932024 *Homophoberia cristata* Morrison, 1875
- 932025 *Homophoberia apicosa* (Haworth, 1809)
- Tribe Leuconyctini Poole, 1995 ‡**
- 932026 *Leuconycta diphteroides* (Guenée, 1852)
- 932027 *Leuconycta lepidula* (Grote, 1874)
- 932028 *Diastema tigris* Guenée, 1852
- 932029 *Diastema cnossia* (Druce, 1889)
- 932030 *Crambodes talidiformis* Guenée, 1852
- 932031 *Micrathetis triplex* (Walker, 1857)
- 932032 *Micrathetis costiplaga* (Smith, 1908)
- 932033 *Micrathetis tecnion* Dyar, 1914
- 932034 *Fotella notalis* Grote, 1882 <sup>355</sup>  
 syn. *F. fragosa* (Grote, 1883)  
 syn. *F. olivia* Barnes & McDunnough, 1912  
 syn. *F. olivioides* Barnes & Benjamin, 1926
- Subfamily Heliothinae Boisduval, [1828] <sup>356</sup>**
- 932035 *Microhelia angelica* (Smith, 1900) <sup>357</sup>  
 syn. *M. restrictalis* (Smith, 1900)
- 932036 *Heliothodes diminutiva* (Grote, 1873) <sup>358</sup>  
 syn. *H. fasciatus* (H. Edwards, 1875)  
 syn. *H. joachin* McDunnough, 1946
- 932037 *Baptarma felicitata* Smith, 1904
- 932038 *Eutricopis nexilis* Morrison, 1875
- 932039 *Derrima stellata* Walker, [1858]
- 932040 *Pyrria cilisca* (Guenée, 1852) <sup>359</sup>  
 syn. *P. umbra* of authors, not (Hufnagel, 1766)  
 syn. *P. adela* Lafontaine & Mikkola, 1996 ‡
- 932041 *Pyrria exprimens* (Walker, 1857)
- 932042 *Pyrria aurantiago* (Guenée, 1852) <sup>360</sup>
- 932043 *Psectrotarsia suavis* (H. Edwards, 1884) <sup>361</sup>
- 932044 *Psectrotarsia hebardi* Skinner, 1917
- 932045 *Helicoverpa zea* (Boddie, 1850)  
 syn. *H. stombleri* (Okumura & Bauer, 1969) <sup>362</sup>
- 932046 *Heliothis phloxiphaga* Grote & Robinson, 1867
- 932047 *Heliothis acesias* Felder & Rogenhofer, 1875 <sup>363</sup>
- 932048 *Heliothis australis* Hardwick, 1994 ‡
- 932049 *Heliothis ononis* (Fabricius, 1787)
- 932050 *Heliothis oregonica* (H. Edwards, 1875)
- 932051 *Heliothis proruptus* Grote, 1873
- 932052 *Heliothis belladonna* (H. Edwards, 1881)
- 932053 *Heliothis borealis* (Hampson, 1903)

- 932054 *Heliothis virescens* (Fabricius, 1777)
- 932055 *Heliothis subflexa* (Guenée, 1852)
- 932056 *Heliocheilus lupatus* (Grote, 1875) <sup>364</sup>
- 932057 *Heliocheilus turbata* (Walker, 1858)
- 932058 *Heliocheilus paradoxus* Grote, 1865
- 932059 *Heliocheilus julia* (Grote, 1883)
- 932060 *Heliocheilus toralis* (Grote, 1881)
- 932061 *Schinia nuchalis* (Grote, 1878) <sup>365</sup>  
syn. *S. scutosa* of authors, not (Fabricius, 1787) <sup>366</sup>
- 932062 *Schinia snowi* (Grote, 1875) <sup>367</sup>  
syn. *S. rosea* (Smith, 1891) <sup>368</sup>  
syn. *S. stena* (Smith, 1906) <sup>368</sup>
- 932063 *Schinia bimatrix* (Harvey, 1875)
- 932064 *Schinia simplex* Smith, 1891
- 932065 *Schinia carolinensis* (Barnes & McDunnough, 1911)
- 932066 *Schinia luxa* (Grote, 1881)
- 932067 *Schinia citrinellus* (Grote & Robinson, 1870)
- 932068 *Schinia olivacea* Smith, 1906
- 932069 *Schinia indiana* (Smith, 1908)
- 932070 *Schinia biundulata* Smith, 1891
- 932071 *Schinia immaculata* Pogue, 2004 ‡
- 932072 *Schinia aurantiaca* (H. Edwards, 1881)
- 932073 *Schinia jaguarina* (Guenée, 1852)
- 932074 *Schinia hardwickorum* Opler, 2004 ‡
- 932075 *Schinia suetus* (Grote, 1873)
- 932076 *Schinia aetheria* (Barnes & McDunnough, 1912) <sup>369</sup>
- 932077 *Schinia lucens* (Morrison, 1875)
- 932078 *Schinia meadi* (Grote, 1873)
- 932079 *Schinia zuni* (McElvare, 1950)
- 932080 *Schinia felicitata* (Smith, 1894)
- 932081 *Schinia lynda* Troubridge, 2002 ‡
- 932082 *Schinia florida* (Guenée, 1852)
- 932083 *Schinia gaurae* (J.E. Smith, 1797)
- 932084 *Schinia cupes* (Grote, 1875)
- 932085 *Schinia crotchii* (H. Edwards, 1875) <sup>370</sup>
- 932086 *Schinia deserticola* Barnes & McDunnough, 1916 <sup>371</sup>
- 932087 *Schinia mexicana* (Hampson, 1903) <sup>372</sup>
- 932088 *Schinia pulchripennis* (Grote, 1874)
- 932089 *Schinia tobia* Smith, 1906
- 932090 *Schinia sexplagiata* Smith, 1891
- 932091 *Schinia rivulosa* (Guenée, 1852)
- 932092 *Schinia gracilenta* Hübner, 1818 <sup>373</sup>  
syn. *S. bifascia* (Hübner, 1818)

- syn. *S. divergens* (Walker, 1858)  
 syn. *S. imperspicua* (Strecker, 1876)  
 syn. *S. digitalis* Smith, 1891
- 932093 *Schinia thoreau* (Grote & Robinson, 1870)  
 932094 *Schinia oleagina* Morrison, 1875 <sup>373</sup>  
 syn. *S. sara* Smith, 1907  
 syn. *S. ernesta* Smith, 1907  
 syn. *S. baueri* McElvare, 1951
- 932095 *Schinia grandimedia* Hardwick, 1996 ‡  
 932096 *Schinia trifascia* Hübner, 1818  
 932097 *Schinia buta* Smith, 1907  
 932098 *Schinia dobla* (Smith, 1906)  
 932099 *Schinia amaryllis* (Smith, 1891)  
 932100 *Schinia vaccinia* (H. Edwards, 1875)  
 932101 *Schinia perminuta* (H. Edwards, 1881)  
 932102 *Schinia honesta* (Grote, 1881)  
 932103 *Schinia verna* Hardwick, 1983 ‡  
 932104 *Schinia villosa* (Grote, 1864)  
 932105 *Schinia sexata* (Smith, 1906) <sup>374</sup>  
 932106 *Schinia intermontana* Hardwick, 1958 <sup>374</sup>  
 932107 *Schinia graefiana* (Tepper, 1882) <sup>374</sup>  
 syn. *S. triolata* (Smith, 1906)
- 932108 *Schinia persimilis* (Grote, 1873)  
 932109 *Schinia macneilli* Hardwick, 1996 ‡  
 932110 *Schinia errans* Smith, 1883  
 932111 *Schinia mcfarlandi* Opler, 2004 ‡  
 932112 *Schinia tuberculum* (Hübner, [1831])  
 932113 *Schinia rufipenna* Hardwick, 1983 ‡  
 932114 *Schinia septentrionalis* (Walker, 1858)  
 932115 *Schinia parmeliiana* (H. Edwards, 1882) <sup>375</sup>  
 syn. *S. concinna* Smith, 1891
- 932116 *Schinia sordidus* Smith, 1883 <sup>375</sup>  
 syn. *S. approximata* Strecker, 1898  
 syn. *S. ar* Strecker, 1898  
 syn. *S. labe* Strecker, 1898
- 932117 *Schinia nubila* (Strecker, 1876) <sup>375</sup>  
 syn. *S. dolosa* Strecker, 1898  
 syn. *S. lora* Strecker, 1898
- 932118 *Schinia diffusa* Smith, 1891 <sup>375</sup>  
 syn. *S. neglecta* Strecker, 1898
- 932119 *Schinia obscurata* Strecker, 1898 <sup>375</sup>  
 ssp. *S. o. obscurata* Strecker, 1898  
 ssp. *S. o. tanena* Strecker, 1898



- 932120 *Schinia lynx* (Guenée, 1852)
- 932121 *Schinia edwardsii* (Smith, 1906)<sup>375</sup>  
syn. *S. steenensis* Hardwick, 1973
- 932122 *Schinia angulilinea* Pogue, 2006 ‡  
syn. *S. arizonensis* Hardwick, 1996, unavailable ‡<sup>376</sup>
- 932123 *Schinia siren* (Strecker, 1876)<sup>377</sup>  
syn. *S. inclara* (Strecker, 1876)
- 932124 *Schinia varix* Knudson, Bordelon & Pogue, 2003 ‡
- 932125 *Schinia petulans* (H. Edwards, 1885)
- 932126 *Schinia mortua* (Grote, 1865)
- 932127 *Schinia hanga* Strecker, 1898
- 932128 *Schinia ultima* (Strecker, 1876)
- 932129 *Schinia spinosae* (Guenée, 1852)
- 932130 *Schinia subspinosae* Hardwick, 1996 ‡
- 932131 *Schinia bicuspidata* Smith, 1891
- 932132 *Schinia scissa* (Grote, 1876)
- 932133 *Schinia scissoides* (Benjamin, 1936)
- 932134 *Schinia arcigera* (Guenée, 1852)<sup>377</sup>  
syn. *S. limbalis* (Grote, 1875)
- 932135 *Schinia saturata* (Grote, 1874)
- 932136 *Schinia jaegeri* (Sperry, 1940)
- 932137 *Schinia ligeae* Smith, 1893
- 932138 *Schinia miniana* (Grote, 1881)<sup>377</sup>  
syn. *S. pallicincta* Smith, 1906
- 932139 *Schinia volupia* (Fitch, 1868)
- 932140 *Schinia masoni* (Smith, 1896)<sup>377</sup>  
syn. *S. aden* (Strecker, 1898)
- 932141 *Schinia fulleri* (McElvare, 1961)
- 932142 *Schinia sanrafaeli* Opler, 2004 ‡
- 932143 *Schinia biforma* Smith, 1906
- 932144 *Schinia carmosina* Neumögen, 1884
- 932145 *Schinia sanguinea* (Geyer, 1832)<sup>377</sup>  
syn. *S. gloriosa* (Strecker, 1878)  
syn. *S. terrifica* Barnes & McDunnough, 1918
- 932146 *Schinia niveicosta* (Smith, 1906)
- 932147 *Schinia regia* (Strecker, 1876)
- 932148 *Schinia regina* Pogue & Harp, 2003 ‡
- 932149 *Schinia roseitincta* (Harvey, 1875)
- 932150 *Schinia bina* (Guenée, 1852)
- 932151 *Schinia antonio* (Smith, 1906)
- 932152 *Schinia intrabilis* Smith, 1893
- 932153 *Schinia acutilinea* (Grote, 1878)<sup>378</sup>  
syn. *S. separata* (Grote, 1879)

- syn. *S. velutina* B. & McDunnough, 1912
- 932154 *Schinia walsinghami* (H. Edwards, 1881)<sup>379</sup>  
 syn. *S. balba* (Grote, 1881)  
 syn. *S. brucei* Smith, 1891
- 932155 *Schinia crenilinea* Smith, 1891
- 932156 *Schinia nundina* (Drury, 1773)
- 932157 *Schinia arefacta* (H. Edwards, 1885)
- 932158 *Schinia tertia* (Grote, 1874)<sup>380</sup>  
 syn. *S. megarena* Smith, 1906
- 932159 *Schinia albafascia* Smith, 1883<sup>381</sup>
- 932160 *Schinia ferrisi* Pogue & Harp, 2004 ‡
- 932161 *Schinia erosa* Smith, 1906<sup>382</sup>
- 932162 *Schinia brunnea* Barnes & McDunnough, 1913<sup>381</sup>
- 932163 *Schinia argentifascia* Barnes & McDunnough, 1912
- 932164 *Schinia illustra* Smith, 1906
- 932165 *Schinia accessa* Smith, 1906
- 932166 *Schinia coercita* (Grote, 1881)<sup>383</sup>  
 syn. *S. alensa* Smith, 1906
- 932167 *Schinia obliqua* Smith, 1883
- 932168 *Schinia unimacula* Smith, 1891<sup>384</sup>  
 syn. *S. coolidgei* Hill, 1924
- 932169 *Schinia maculata* Pogue, 2006 ‡  
 syn. *S. blanca* Hardwick, 1996, unavailable ‡<sup>385</sup>
- 932170 *Schinia oculata* Smith, 1900
- 932171 *Schinia chrysellus* (Grote, 1874)<sup>386</sup>  
 syn. *S. lanul* (Strecker, 1878)
- 932172 *Schinia chryselloides* Pogue & Harp, 2005 ‡
- 932173 *Schinia alencis* (Harvey, 1875)<sup>387</sup>
- 932174 *Schinia ciliata* Smith, 1900
- 932175 *Schinia rufocostulata* Pogue & Harp, 2005 ‡
- 932176 *Schinia reniformis* Smith, 1900
- 932177 *Schinia cumatilis* (Grote, 1865)
- 932178 *Schinia hulstia* Tepper, 1883  
 syn. *S. tenuescens* (Grote, 1883)<sup>388</sup>
- 932179 *Schinia velaris* (Grote, 1878)
- 932180 *Schinia mitis* (Grote, 1873)
- 932181 *Schinia scarletina* (Smith, 1900)
- 932182 *Schinia avemensis* (Dyar, 1904)
- 932183 *Schinia carminatra* (Smith, 1903)
- 932184 *Heliolonche modicella* Grote, 1873
- 932185 *Heliolonche carolus* McDunnough, 1936
- 932186 *Heliolonche celeris* (Grote, 1873)
- 932187 *Heliolonche pictipennis* (Grote, 1875)<sup>389</sup>

syn. *H. cresina* (Smith, 1906)

932188 *Heliolonche joaquinensis* Hardwick, 1996 ‡<sup>390</sup>

932189 *Melaporphyria immortua* Grote, 1874

**Subfamily Eriopinae Herrich-Schäffer, [1851]<sup>391</sup>**

932190 *Calloplistria floridensis* (Guenée, 1852)

932191 *Calloplistria jamaicensis* (Möschler, 1886)<sup>392</sup>

932192 *Calloplistria mollissima* (Guenée, 1852)

932193 *Calloplistria granitosa* (Guenée, 1852)

932194 *Calloplistria cordata* (Ljungh, 1825)

**Subfamily Bryophilinae Guenée, 1852<sup>393</sup>**

932195 “*Cryphia*” *olivacea* (Smith, 1891)<sup>394</sup>

syn. “*C.*” *galva* (Strecker, 1898)<sup>395</sup>

932196 “*Cryphia*” *fascia* (Smith, 1903)

932197 “*Cryphia*” *flavidior* (Barnes & McDunnough, 1911)

syn. “*C.*” *fulvisparsa* (Hampson, 1914)<sup>396</sup>

932198 “*Cryphia*” *oaklandiae* (Barnes & McDunnough, 1911)

932199 “*Cryphia*” *nana* (Barnes & McDunnough, 1911)

932200 “*Cryphia*” *cuerva* (Barnes, 1907)

932201 “*Cryphia*” *pallidioides* Poole, 1989 ‡<sup>397</sup>

syn. “*C.*” *pallida* (Barnes & Lindsey, 1922)

932202 “*Cryphia*” *sarepta* (Barnes, 1907)

932203 “*Cryphia*” *albipuncta* (Barnes & McDunnough, 1910)

932204 “*Cryphia*” *flavipuncta* Mustelin, 2006 ‡

**Subfamily Noctuinae Latreille, 1809<sup>398</sup>**

**Tribe Pseudeustrotiini Beck, 1996 ‡**

932205 *Pseudeustrotia carneola* (Guenée, 1852)<sup>399</sup>

932206 *Pseudeustrotia indeterminata* (Barnes & McDunnough, 1918)<sup>400</sup>

932207 *Anterastris teratophora* (Herrich-Schäffer, [1854])<sup>401</sup>

**Tribe Phosphilini Poole, 1995 ‡<sup>402</sup>**

932208 *Phosphila turbulenta* Hübner, 1818

932209 *Phosphila miselioides* (Guenée, 1852)

932210 *Phosphila fernae* (Benjamin, 1933)<sup>403</sup>

932211 *Speocropia trichroma* (Herrich-Schäffer, 1868)

932212 *Phuphena tura* (Druce, 1889)<sup>404</sup>

syn. *P. obliqua* (Smith, 1900)

932213 *Acherdoa ferraria* Walker, 1865

**Tribe Prodeniini Forbes, 1954<sup>405</sup>**

932214 *Spodoptera hipparis* (Druce, 1889)<sup>406</sup>

932215 *Spodoptera exigua* (Hübner, [1808])

932216 *Spodoptera frugiperda* (J.E. Smith, 1797)

- 932217 *Spodoptera praefica* (Grote, 1875)  
 932218 *Spodoptera pulchella* (Herrich-Schäffer, 1868)  
 932219 *Spodoptera ornithogalli* (Guenée, 1852)  
 932220 *Spodoptera latifascia* (Walker, 1856)  
 932221 *Spodoptera dolichos* (Fabricius, 1794)  
 932222 *Spodoptera androgea* (Stoll, 1782) <sup>407</sup>  
 932223 *Spodoptera eridania* (Cramer, 1784)  
 932224 *Spodoptera albula* (Walker, 1857)  
**Tribe Elaphriini Beck, 1996 ‡ <sup>408</sup>**  
 932225 *Elaphria fuscimacula* (Grote, 1881)  
 932226 *Elaphria nucicolora* (Guenée, 1852)  
 932227 *Elaphria agrotina* (Guenée, 1852)  
 932228 *Elaphria versicolor* (Grote, 1875)  
 932229 *Elaphria devara* (Druce, 1898) <sup>409</sup>  
 932230 *Elaphria chalcedonia* (Hübner, [1808])  
 932231 *Elaphria deltoides* (Möschler, 1880) <sup>410</sup>  
 932232 *Elaphria georgei* (Moore & Rawson, 1939)  
 932233 *Elaphria festivoidea* (Guenée, 1852)  
 932234 *Elaphria alapallida* Pogue & Sullivan, 2003 ‡  
 932235 *Elaphria cornutinus* Saluke & Pogue, 2000 ‡  
 932236 *Elaphria exesa* (Guenée, 1852)  
 932237 *Elaphria subobliqua* (Walker, 1858) <sup>411</sup>  
 932238 *Elaphria grata* Hübner, 1818  
 932239 “*Elaphria*” *cyanympa* (Ferguson, [1989]) ‡ <sup>412</sup>  
 932240 *Bryolymnia viridimedia* (Smith, 1905)  
 932241 *Bryolymnia marti* Holland, 2010 ‡  
 932242 *Bryolymnia mixta* Lafontaine & Walsh, 2010 ‡  
 932243 *Bryolymnia ensina* (Barnes, 1907) <sup>413</sup>  
 932244 *Bryolymnia biformata* Lafontaine & Walsh, 2010 ‡  
 932245 *Bryolymnia anthracitaria* Ferris & McFarland, 2007 ‡  
 932246 *Bryolymnia semifascia* (Smith, 1900)  
 932247 *Bryolymnia viridata* (Harvey, 1876) <sup>413</sup>  
 932248 *Gonodes liquida* (Möschler, 1886)  
 932249 *Galgula partita* Guenée, 1852  
**Tribe Caradrinini Boisduval, 1840 <sup>414</sup>**  
**Subtribe Caradrinina Boisduval, 1840**  
 932250 *Protoperigea anotha* (Dyar, 1904)  
 932251 *Protoperigea posticata* (Harvey, 1875)  
 932252 *Protoperigea umbricata* Mustelin, 2006 ‡  
 932253 *Protoperigea subterminata* Mustelin, 2006 ‡  
 932254 *Protoperigea parvulata* Mustelin, 2006 ‡  
 932255 *Protoperigea calientensis* Mustelin, 2006 ‡  
 932256 *Caradrina morpheus* (Hufnagel, 1766)

- 932257 *Caradrina meralis* (Morrison, 1875) <sup>415</sup>  
 932258 *Caradrina camina* (Smith, 1894)  
 932259 *Caradrina beta* (Barnes & Benjamin, 1926) <sup>416</sup>  
 932260 *Caradrina montana* (Bremer, 1861) <sup>417</sup>  
     syn. *C. extima* (Walker, 1865)  
 932261 *Caradrina multifera* (Walker, [1857])  
 932262 *Caradrina mona* (Barnes & McDunnough, 1912)  
 932263 *Caradrina atrostriga* (Barnes & McDunnough, 1912)  
 932264 *Caradrina distinctoides* Poole, 1989 <sup>418</sup>  
     syn. *C. distincta* (Barnes, 1928), sec. homonym  
 932265 *Caradrina clavipalpis* (Scopoli, 1763) <sup>419</sup>  
**Subtribe Athetiina Fibiger & Lafontaine, 2005** <sup>420</sup>  
 932266 *Proxenus miranda* (Grote, 1873) <sup>421</sup>  
 932267 *Proxenus mindara* Barnes & McDunnough, 1913  
 932268 *Proxenus mendosa* McDunnough, 1927  
 932269 *Athetis tarda* (Guenée, 1852) <sup>422</sup>  
 932270 “*Anorthodes*” *triquetra* (Grote, 1883) <sup>423</sup>  
 932271 “*Anorthodes*” *indigena* (Barnes & Benjamin, 1925) <sup>423</sup>  
**Tribe Dypterygiini Forbes, 1954** <sup>424</sup>  
 932272 *Dypterygia rozmani* Berio, 1974  
 932273 *Dypterygia ligata* (Möschler, 1891) <sup>425</sup>  
 932274 *Dypterygia patina* (Harvey, 1875)  
 932275 *Dypterygia ordinarius* (Butler 1879) <sup>426</sup>  
 932276 *Dypterygia punctirena* (Walker, 1857) <sup>427</sup>  
 932277 “*Dypterygia*” *dolens* (Druce, 1909)  
 932278 *Acroria terens* (Walker, 1857) <sup>428</sup>  
 932279 *Neophaenis boucheri* Barbut & Lalanne-Cassou, 2004 ‡ <sup>429</sup>  
     syn. *N. respondens* of authors, not (Walker, 1858)  
 932280 *Trachea delicata* (Grote, 1874)  
 932281 *Magusa orbifera* (Walker, 1857) <sup>430</sup>  
 932282 *Magusa divaricata* (Grote, 1874) <sup>430</sup>  
**Tribe Actinotiini Beck, 1996 ‡** <sup>431</sup>  
 932283 *Nedra ramosula* (Guenée, 1852)  
 932284 *Nedra stewarti* (Grote, 1875)  
 932285 *Nedra dora* Clarke, 1940  
 932286 *Nedra hoeffleri* Clarke, 1940  
 932287 *Iodopepla u-album* (Guenée, 1852) <sup>432</sup>  
 932288 *Alastria chico* Lafontaine & Troubridge, 2004 ‡  
**Tribe Phlogophorini Hampson, 1918** <sup>433</sup>  
 932289 *Euplexia triplaga* (Walker, 1857)  
     syn. *E. brillians* Barnes & McDunnough, 1911 <sup>434</sup>  
 932290 *Euplexia benesimilis* McDunnough, 1922  
 932291 *Phlogophora iris* Guenée, 1852



- 932292 *Phlogophora periculosa* Guenée, 1852
- 932293 *Conservula anodonta* (Guenée, 1852)
- Tribe Apameini Guenée, 1841** <sup>435</sup>
- 932294 *Apamea verbascoides* (Guenée, 1852)
- 932295 *Apamea inebriata* Ferguson, 1977
- 932296 *Apamea nigrior* (Smith, 1891)
- 932297 *Apamea vulgaris* (Grote & Robinson, 1866)
- 932298 *Apamea wikeri* Quinter & Lafontaine, 2009 ‡
- 932299 *Apamea cristata* (Grote, 1878)
- 932300 *Apamea cariosa* (Guenée, 1852) <sup>436</sup>  
syn. *A. dionea* (Smith, 1899)
- 932301 *Apamea quinteri* Mikkola & Lafontaine, 2009 ‡
- 932302 *Apamea apamiformis* (Guenée, 1852)
- 932303 *Apamea vultuosa* (Grote, 1875)  
ssp. *A. v. vultuosa* (Grote, 1875)  
ssp. *A. v. multicolor* (Dyar, 1904) <sup>437</sup>
- 932304 *Apamea plutonia* (Grote, 1883)
- 932305 *Apamea perpensa* (Grote, 1881)
- 932306 *Apamea xylodes* Mikkola & Lafontaine, 2009 ‡
- 932307 *Apamea alia* (Guenée, 1852)
- 932308 *Apamea unanimitis* (Hübner, [1813]) <sup>438</sup>
- 932309 *Apamea remissa* (Hübner, [1809]) <sup>439</sup>
- 932310 *Apamea indocilis* (Walker, 1856) <sup>440</sup>  
syn. *A. ampliata* (McDunnough, 1940)
- 932311 *Apamea impulsa* (Guenée, 1852)
- 932312 *Apamea unita* (Smith, 1904)
- 932313 *Apamea cuculliformis* (Grote, 1875)
- 932314 *Apamea sordens* (Hufnagel, 1766) <sup>441</sup>  
ssp. *A. s. finitima* (Guenée, 1852)  
ssp. *A. s. sableana* Mikkola, 2009 ‡
- 932315 *Apamea digitula* Mustelin & Mikkola, 2006 ‡
- 932316 *Apamea inordinata* (Morrison, 1875) <sup>442</sup>  
ssp. *A. i. inordinata* (Morrison, 1875)  
ssp. *A. i. semilunata* (Grote, 1881)  
ssp. *A. i. olympia* Crabo, 2009 ‡
- 932317 *Apamea spaldingi* (Smith, 1909)
- 932318 *Apamea cinefacta* (Grote, 1881)
- 932319 *Apamea lignicolora* (Guenée, 1852)
- 932320 *Apamea atriclava* (Barnes & McDunnough, 1913) <sup>443</sup>
- 932321 *Apamea smythi* Franclemont, 1952
- 932322 *Apamea helva* (Grote, 1875) <sup>444</sup>
- 932323 *Apamea antennata* (Smith, 1891)
- 932324 *Apamea siskiyou* Mikkola & Lafontaine, 2009 ‡

- 932325 *Apamea atosuffusa* (Barnes & McDunnough, 1913) <sup>440</sup>  
           syn. *A. grotei* (Barnes & McDunnough, 1914)
- 932326 *Apamea auranticolor* (Grote, 1873)
- 932327 *Apamea sora* (Smith, 1903) <sup>445</sup>
- 932328 *Apamea tahoensis* Mikkola & Lafontaine, 2009 ‡
- 932329 *Apamea commoda* (Walker, 1857) <sup>442</sup>  
           ssp. *A. c. commoda* (Walker, 1857)  
           ssp. *A. c. parcata* (Smith, 1903)  
           ssp. *A. c. striolata* Mikkola, 2009 ‡
- 932330 *Apamea centralis* (Smith, 1891)
- 932331 *Apamea genialis* (Grote, 1874)
- 932332 *Apamea occidens* (Grote, 1878)
- 932333 *Apamea amputatrix* (Fitch, 1857) <sup>440</sup>  
           syn. *A. castanea* (Grote, 1874)
- 932334 *Apamea walshi* Lafontaine, 2009 ‡
- 932335 *Apamea albina* (Grote, 1874)
- 932336 *Apamea maxima* (Dyar, 1904)
- 932337 *Apamea robertsoni* Mikkola & Mustelin, 2006 ‡
- 932338 *Apamea acera* (Smith, 1900)
- 932339 *Apamea burgessi* (Morrison, 1874) <sup>444</sup>  
           ssp. *A. b. burgessi* (Morrison, 1874) <sup>442</sup>  
           ssp. *A. b. leucoptera* Mikkola, 2009 ‡  
           ssp. *A. b. ona* (Smith, 1909)
- 932340 *Apamea relicina* (Morrison, 1875) <sup>442</sup>  
           ssp. *A. r. relicina* (Morrison, 1875)  
           ssp. *A. r. migrata* (Smith, 1903)
- 932341 *Apamea longula* (Grote, 1879)
- 932342 *Apamea bernardino* Mikkola & Mustelin, 2000 ‡
- 932343 *Apamea scoparia* Mikkola, Mustelin & Lafontaine, 2000 ‡ <sup>442</sup>  
           ssp. *A. s. scoparia* Mikkola, Mustelin & Lafontaine, 2000  
           syn. *A. lateritia* of authors, not (Hufnagel, 1766) <sup>446</sup>  
           ssp. *A. s. gabrieli* Mikkola & Mustelin, 2000 ‡
- 932344 *Apamea dubitans* (Walker, 1856)
- 932345 *Apamea cogitata* (Smith, 1891) <sup>447</sup>
- 932346 *Apamea geminimacula* (Dyar, 1904)
- 932347 *Apamea inficita* (Walker, 1857) <sup>442</sup>  
           ssp. *A. i. inficita* (Walker, 1857)  
           syn. *A. popofensis* (Smith, 1900)  
           ssp. *A. i. indela* (Smith, 1910)  
           ssp. *A. i. conradi* (Grote, 1879)
- 932348 *Apamea lutosa* (Andrews, 1877)
- 932349 *Apamea fergusoni* Mikkola & Lafontaine, 2009 ‡

- 932350 *Apamea devastator* (Brace, 1819)
- 932351 *Apamea zeta* (Treitschke, 1825) <sup>442</sup>  
 ssp. *A. z. exulis* (Lefebvre, 1836)  
 ssp. *A. z. downesi* Mikkola, 2009 ‡  
 ssp. *A. z. murrayi* (Gibson, 1920)  
 ssp. *A. z. pelagica* Mikkola, 2009 ‡  
 ssp. *A. z. nichollae* Hampson, 1908
- 932352 *Apamea alticola* (Smith, 1891) <sup>445</sup>
- 932353 *Apamea rubrivena* (Treitschke, 1825) <sup>439</sup>
- 932354 *Apamea contradicta* (Smith, 1895) <sup>444</sup>  
 syn. *A. exornata* (Möschler, 1860), homonym <sup>448</sup>
- 932355 *Apamea niveivenosa* (Grote, 1879) <sup>444</sup>  
 ssp. *A. n. niveivenosa* (Grote, 1879) <sup>442</sup>  
 syn. *A. extensa* (Smith, 1905)  
 ssp. *A. n. obscuroides* Poole, 1989 <sup>449</sup>  
 syn. *A. obscura* (Barnes & McDunnough, 1911), homonym
- 932356 *Apamea lintneri* (Grote, 1873) <sup>450</sup>
- 932357 *Apamea pallifera* (Grote, 1877) <sup>451</sup>
- 932358 *Loscopia velata* (Walker, 1865) <sup>452</sup>
- 932359 *Loscopia roblei* Quinter & Lafontaine, 2009 ‡
- 932360 *Protapamea danieli* Quinter, 2009 ‡ <sup>453</sup>
- 932361 *Protapamea louisae* Quinter, 2009 ‡
- 932362 *Melanapamea mixta* (Grote, 1881) <sup>454</sup>
- 932363 *Lateroligia ophiogramma* (Esper, 1793) <sup>455</sup>
- 932364 “*Resapamea*” *trigona* (Smith, 1902) <sup>456</sup>
- 932365 *Resapamea innota* (Smith, 1908) <sup>457</sup>
- 932366 *Resapamea venosa* (Smith, 1903)
- 932367 *Resapamea enargia* (Barnes & Benjamin, 1926) <sup>457</sup>
- 932368 *Resapamea passer* (Guenée, 1852) <sup>458</sup>  
 syn. *R. virguncula* (Smith, 1899)  
 syn. *R. morna* (Strecker, 1878)
- 932369 “*Resapamea*” *stipata* (Morrison, 1875) <sup>459</sup>
- 932370 *Mesapamea fractilinea* (Grote, 1874) <sup>460</sup>
- 932371 *Mesapamea arbora* (Barnes & McDunnough, 1912)  
 syn. *M. mactatoides* (Barnes & McDunnough, 1912) <sup>461</sup>
- 932372 *Eremobina claudens* (Walker, 1857) <sup>462</sup>  
 syn. *E. hilli* (Grote, 1876)  
 syn. *E. albertina* (Hampson, 1908)  
 syn. *E. hanhami* (Barnes & Benjamin, 1924)
- 932373 *Eremobina uncinata* (Smith, 1902)
- 932374 *Eremobina leucoscelis* (Grote, 1874) <sup>463</sup>  
 syn. *E. fibulata* (Morrison, 1874)  
 syn. *E. jocasta* (Smith, 1900)

- 932375 *Oligia strigilis* (Linnaeus, 1758) <sup>464</sup>
- 932376 *Oligia latruncula* ([Denis & Schiffermüller], 1775) <sup>465</sup>
- 932377 “*Oligia*” *chlorostigma* (Harvey, 1876) <sup>466</sup>
- 932378 “*Oligia*” *modica* (Guenée, 1852)
- 932379 “*Oligia*” *tusa* (Grote, 1878)
- 932380 “*Oligia*” *violacea* (Grote, 1881)
- 932381 “*Oligia*” *rampartensis* Barnes & Benjamin, 1923 <sup>467</sup>
- 932382 “*Oligia*” *bridghamii* (Grote & Robinson, 1866)
- 932383 “*Oligia*” *egens* (Walker, [1857])
- 932384 “*Oligia*” *minuscule* (Morrison, 1875)
- 932385 “*Oligia*” *obtusa* (Smith, 1902)
- 932386 “*Oligia*” *divesta* (Grote, 1874)
- 932387 *Neoligia semicana* (Walker, 1865) <sup>468</sup>  
syn. *N. hausta* (Grote, 1882) <sup>469</sup>
- 932388 *Neoligia canadensis* Troubridge & Lafontaine, 2002 ‡
- 932389 *Neoligia atlantica* Troubridge & Lafontaine, 2002 ‡
- 932390 *Neoligia exhausta* (Smith, 1903)
- 932391 *Neoligia crytora* (Franclemont, 1950)
- 932392 *Neoligia subjuncta* (Smith, 1898)  
syn. *N. laevigata* (Smith, 1898) <sup>469</sup>
- 932393 *Neoligia inermis* Troubridge & Lafontaine, 2002 ‡
- 932394 *Neoligia pagosa* Troubridge & Lafontaine, 2002 ‡
- 932395 *Neoligia hardwicki* Troubridge & Lafontaine, 2002 ‡
- 932396 *Neoligia surdirena* Troubridge & Lafontaine, 2002 ‡
- 932397 *Neoligia tonsa* (Grote, 1880)
- 932398 *Neoligia rubirena* Troubridge & Lafontaine, 2002 ‡
- 932399 *Neoligia invenusta* Troubridge & Lafontaine, 2002 ‡
- 932400 *Neoligia elephas* Troubridge & Lafontaine, 2002 ‡
- 932401 *Neoligia albirena* Troubridge & Lafontaine, 2002 ‡
- 932402 *Neoligia lancea* Troubridge & Lafontaine, 2002 ‡
- 932403 *Neoligia lillooet* Troubridge & Lafontaine, 2002 ‡
- 932404 *Euros cervina* (H. Edwards, 1890)
- 932405 *Euros osticollis* Troubridge, 2006 ‡
- 932406 *Euros proprius* H. Edwards, 1881
- 932407 *Cobalos angelicus* Smith, 1899
- 932408 *Cobalos franciscanus* Smith, 1899
- 932409 *Meropleon cosmion* Dyar, 1924
- 932410 *Meropleon cinnamicolor* Ferguson, 1982 ‡
- 932411 *Meropleon linæ* Metlevski, 2005 ‡
- 932412 *Meropleon titan* Todd, 1958
- 932413 *Meropleon diversicolor* (Morrison, 1874)
- 932414 *Meropleon ambifusca* (Newman, 1948)
- 932415 *Lemmeria digitalis* (Grote, 1882)

- 932416 *Xylomoia chagnoni* Barnes & McDunnough, 1917  
 932417 *Xylomoia indirecta* (Grote, 1875) <sup>470</sup>  
 932418 *Orthomoia bloomfieldi* Mustelin, 2000 ‡  
 932419 *Photedes inops* (Grote, 1881) <sup>471</sup>  
 932420 *Photedes carterae* (Schweitzer, 1984) ‡ <sup>471</sup>  
 932421 *Photedes includens* (Walker, [1858]) <sup>471</sup>  
 932422 *Photedes panatela* (Smith, 1904) <sup>471</sup>  
 932423 *Photedes didonea* (Smith, 1894) <sup>472</sup>  
 932424 “*Photedes*” *enervata* (Guenée, 1852) <sup>473</sup>  
     syn. “*P.*” *orphnina* (Dyar, 1912) <sup>473</sup>  
 932425 “*Photedes*” *defecta* (Grote, 1874) <sup>473</sup>  
 932426 *Hypocoena inquinata* (Guenée, 1852) <sup>474</sup>  
     syn. *H. variana* (Morrison, 1876) <sup>474</sup>  
 932427 *Hypocoena sofiae* (Mustelin, 2006) ‡ <sup>474</sup>  
 932428 *Hypocoena basistriga* (McDunnough, 1933) <sup>474</sup>  
 932429 *Hypocoena rufostrigata* (Packard, 1867) <sup>474</sup>  
 932430 *Hypocoena stigmatica* (Eversmann, 1855) <sup>475</sup>  
 932431 “*Acrapex*” *relicta* Ferguson, 1991 ‡  
 932432 *Franclemontia interrogans* (Walker, 1856)  
 932433 *Benjaminiola colorada* (Smith, 1900)  
 932434 *Mammifrontia leucania* Barnes & Lindsey, 1922  
 932435 *Mammifrontia rileyi* Benjamin, 1936  
 932436 *Mammifrontia sarae* Mustelin, 2006 ‡  
 932437 *Rhizedra lutosa* (Hübner, [1803]) <sup>476</sup>  
 932438 *Capsula oblonga* (Grote, 1882) <sup>477</sup>  
 932439 *Capsula subflava* (Grote, 1882)  
 932440 *Capsula alameda* (Smith, 1903) <sup>478</sup>  
 932441 *Capsula laeta* (Morrison, 1875)  
 932442 *Macronoctua onusta* Grote, 1874  
 932443 *Helotropha reniformis* (Grote, 1874) <sup>479</sup>  
 932444 *Achatodes zae* (Harris, 1841)  
 932445 *Peraniana dissociata* (Barnes & McDunnough, 1910)  
 932446 *Amphipoea interoceanica* (Smith, 1899) <sup>480</sup>  
 932447 *Amphipoea americana* (Speyer, 1875)  
 932448 *Amphipoea pacifica* (Smith, 1899) <sup>481</sup>  
 932449 *Amphipoea cottlei* (McDunnough, 1948)  
 932450 *Amphipoea senilis* (Smith, 1892)  
     syn. *A. flavostigma* (Barnes & Benjamin, 1924) <sup>482</sup>  
 932451 *Amphipoea keiferi* (Benjamin, 1935)  
 932452 “*Amphipoea*” *lunata* (Smith, 1891)  
 932453 “*Amphipoea*” *erepta* (Grote, 1881)  
 932454 *Hydraecia pallescens* Smith, 1899 <sup>480</sup>  
 932455 *Hydraecia medialis* Smith, 1892



- 932456 *Hydraecia obliqua* Harvey, 1876
- 932457 *Hydraecia immanis* Guenée, 1852
- 932458 *Hydraecia micacea* (Esper, 1789)
- 932459 *Hydraecia perobliqua* Hampson, 1910
- 932460 *Hydraecia stramentosa* Guenée, 1852
- 932461 *Hydraecia intermedia* (Barnes & Benjamin, 1924)
- 932462 *Hydraecia ximena* (Barnes & Benjamin, 1924)
- 932463 *Hydraecia columbia* (Barnes & Benjamin, 1924)
- 932464 *Parapamea buffaloensis* (Grote, 1877) <sup>480</sup>
- 932465 *Papaipema unimoda* (Smith, 1894) <sup>480</sup>
- 932466 *Papaipema cerina* (Grote, 1874)
- 932467 *Papaipema appassionata* (Harvey, 1876)
- 932468 *Papaipema furcata* (Smith, 1899)
- 932469 *Papaipema eryngii* Bird, 1917
- 932470 *Papaipema cerussata* (Grote, 1864)
- 932471 *Papaipema sciata* Bird, 1908
- 932472 *Papaipema marginidens* (Guenée, 1852)
- 932473 *Papaipema nepheleptena* (Dyar, 1908)
- 932474 *Papaipema stenocelis* (Dyar, 1907)
- 932475 *Papaipema speciosissima* (Grote & Robinson, 1868)
- 932476 *Papaipema inquaesita* (Grote & Robinson, 1868)
- 932477 *Papaipema circumlucens* (Smith, 1899)
- 932478 *Papaipema birdi* (Dyar, 1908)
- 932479 *Papaipema pertincta* Dyar, 1920
- 932480 *Papaipema insulidens* (Bird, 1902)
- 932481 *Papaipema dribi* Barnes & Benjamin, 1926
- 932482 *Papaipema astuta* Bird, 1907
- 932483 *Papaipema harrisii* (Grote, 1881)
- 932484 *Papaipema verona* (Smith, 1899)
- 932485 *Papaipema sauzalitae* (Grote, 1875)
- 932486 *Papaipema angelica* (Smith, 1899)
- 932487 *Papaipema lysimachiae* Bird, 1914
- 932488 *Papaipema leucostigma* (Harris, 1841)
- 932489 *Papaipema pterisii* Bird, 1907
- 932490 *Papaipema polymniae* Bird, 1917
- 932491 *Papaipema araliae* Bird & Jones, 1921
- 932492 *Papaipema arctivorens* Hampson, 1910
- 932493 *Papaipema rutila* (Guenée, 1852)
- 932494 *Papaipema baptisiae* (Bird, 1902)
- 932495 *Papaipema limata* Bird, 1908 <sup>480</sup>
- 932496 *Papaipema duovata* (Bird, 1902)
- 932497 *Papaipema cataphracta* (Grote, 1864)
- 932498 *Papaipema sulphurata* Bird, 1926

- 932499 *Papaipema aerata* (Lyman, 1901)  
 932500 *Papaipema impecuniosa* (Grote, 1881)  
 932501 *Papaipema nebris* (Guenée, 1852)  
 932502 *Papaipema eupatorii* (Lyman, 1905)  
 932503 *Papaipema duplicatus* Bird, 1908  
 932504 *Papaipema limpida* (Guenée, 1852)  
 932505 *Papaipema rigida* (Grote, 1877)  
 932506 *Papaipema nelita* (Strecker, 1898)  
 932507 *Papaipema aweme* (Lyman, 1908)  
 932508 *Papaipema beeriana* Bird, 1923  
 932509 *Papaipema maritima* Bird, 1909  
 932510 *Papaipema necopina* (Grote, 1876)  
 932511 *Papaipema silphii* Bird, 1915  
 932512 *Selicanis cinereola* Smith, 1900 <sup>480</sup>  
**Tribe Arzamini Grote, 1883** <sup>483</sup>  
 932513 *Bellura gortynoides* Walker, 1865  
 932514 *Bellura vulnifica* (Grote, 1873) <sup>484</sup>  
     syn. *B. diffusa* (Grote, 1878)  
     syn. *B. melanopyga* (Grote, 1881)  
 932515 *Bellura brehmei* (Barnes & McDunnough, 1916)  
 932516 *Bellura anoa* (Dyar, 1913) <sup>485</sup>  
 932517 *Bellura obliqua* (Walker, 1865)  
 932518 *Bellura densa* (Walker, 1865)  
**Tribe Xylenini Guenée, 1837** <sup>486</sup>  
**Subtribe Xylenina Guenée, 1837** <sup>486</sup>  
 932519 *Xylena nupera* (Lintner, 1874)  
 932520 *Xylena curvimacula* (Morrison, 1874)  
 932521 *Xylena thoracica* (Putnam-Cramer, 1886)  
 932522 *Xylena cineritia* (Grote, 1875)  
 932523 *Xylena brucei* (Smith, 1892)  
 932524 *Lithomoia germana* (Morrison, 1875) <sup>487</sup>  
     syn. *L. solidaginis* of authors, not (Hübner, 1803)  
 932525 *Homoglaea variegata* Barnes & McDunnough, 1918  
 932526 *Homoglaea californica* (Smith, 1891)  
 932527 *Homoglaea hircina* Morrison, 1876  
 932528 *Homoglaea dives* Smith, 1907  
 932529 *Homoglaea carbonaria* (Harvey, 1876)  
 932530 *Litholomia napaea* (Morrison, 1874)  
 932531 *Lithophane semiusta* Grote, 1874  
 932532 *Lithophane patefacta* (Walker, 1858)  
 932533 *Lithophane bethunei* (Grote & Robinson, 1868)  
 932534 *Lithophane innominata* (Smith, 1893)  
 932535 *Lithophane franclemonti* Metzler, 1998 ‡

- 932536 *Lithophane petulca* Grote, 1874  
syn. *L. ferrealis* Grote, 1874 <sup>488</sup>
- 932537 *Lithophane disposita* Morrison, 1874
- 932538 *Lithophane hemina* Grote, 1874
- 932539 *Lithophane lanei* Troubridge, 2006 ‡
- 932540 *Lithophane joannis* Metzler & Covell, 1992 ‡
- 932541 *Lithophane oriunda* Grote, 1874
- 932542 *Lithophane signosa* (Walker, 1857)
- 932543 *Lithophane contra* (Barnes & Benjamin, 1924)
- 932544 *Lithophane amanda* (Smith, 1900)
- 932545 *Lithophane pexata* Grote, 1874
- 932546 *Lithophane dilatocula* (Smith, 1900)
- 932547 *Lithophane thaxteri* Grote, 1874
- 932548 *Lithophane fagina* Morrison, 1874
- 932549 *Lithophane baileyi* Grote, 1877  
syn. *L. vivida* (Dyar, 1910) <sup>489</sup>
- 932550 *Lithophane querquera* Grote, 1874  
syn. *L. nigrescens* (Engel, 1905) <sup>490</sup>
- 932551 *Lithophane scottae* Troubridge, 2006 ‡
- 932552 *Lithophane viridipallens* Grote, 1877
- 932553 *Lithophane tepida* Grote, 1874
- 932554 *Lithophane tephрина* Franclemont, 1969
- 932555 *Lithophane abita* Brou & Lafontaine, 2009 ‡
- 932556 *Lithophane atara* (Smith, 1909)
- 932557 *Lithophane leae* Walsh, 2009 ‡
- 932558 *Lithophane lepida* Grote, 1878
- 932559 *Lithophane adipel* (Benjamin, 1936)
- 932560 *Lithophane ponderosa* Troubridge & Lafontaine, 2003 ‡
- 932561 *Lithophane jefferyi* Troubridge & Lafontaine, 2003 ‡
- 932562 *Lithophane nasar* (Smith, 1909)
- 932563 *Lithophane vanduzeei* (Barnes, 1928)
- 932564 *Lithophane gausapata* Grote, 1883
- 932565 *Lithophane itata* (Smith, 1899)
- 932566 *Lithophane lemmeri* (Barnes & Benjamin, 1929)
- 932567 *Lithophane subtilis* Franclemont, 1969
- 932568 *Lithophane boogeri* Troubridge, 2006 ‡
- 932569 *Lithophane longior* (Smith, 1899)
- 932570 *Lithophane tarda* Barnes & Benjamin, 1925
- 932571 *Lithophane thujae* Webster & Thomas, 2000 ‡
- 932572 *Lithophane contenta* Grote, 1880
- 932573 *Lithophane georgii* Grote, 1875
- 932574 *Lithophane pruenae* (Dyar, 1910)
- 932575 *Lithophane puella* (Smith, 1900)

- 932576 *Lithophane laceyi* (Barnes & McDunnough, 1913)
- 932577 *Lithophane antennata* (Walker, 1858)
- 932578 *Lithophane torrida* (Smith, 1899)
- 932579 *Lithophane pertorrida* (McDunnough, 1942)
- 932580 *Lithophane laticinerea* Grote, 1874
- 932581 *Lithophane grotei* Riley, 1882
- 932582 *Lithophane unimoda* (Lintner, 1878)
- 932583 *Pyreferra hesperidago* (Guenée, 1852)
- 932584 *Pyreferra citrombra* Franclemont, 1941
- 932585 *Pyreferra ceromatica* (Grote, 1874)
- 932586 *Pyreferra pettiti* (Grote, 1874)
- 932587 *Eupsilia vinulenta* (Grote, 1864)
- 932588 *Eupsilia sidus* (Guenée, 1852)
- 932589 *Eupsilia cirripalea* Franclemont, 1952
- 932590 *Eupsilia tristigmata* (Grote, 1877)
- 932591 *Eupsilia morrisoni* (Grote, 1874)
- 932592 *Eupsilia knowltoni* McDunnough, 1946
- 932593 *Eupsilia fringata* (Barnes & McDunnough, 1916)
- 932594 *Eupsilia devia* (Grote, 1875)
- 932595 *Sericaglaea signata* (French, 1879)
- 932596 *Xystopeplus rufago* (Hübner, 1818)
- 932597 *Metaxaglaea inulta* (Grote, 1874)
- 932598 *Metaxaglaea viatica* (Grote, 1874)
- 932599 *Metaxaglaea semitaria* Franclemont, 1968
- 932600 *Metaxaglaea australis* Schweitzer, 1979
- 932601 *Metaxaglaea violacea* Schweitzer, 1979
- 932602 *Epiglaea decliva* (Grote, 1874)
- 932603 *Epiglaea apiata* (Grote, 1874)
- 932604 *Chaetaglaea cerata* Franclemont, 1943
- 932605 *Chaetaglaea fergusonii* Brou, 1997 ‡
- 932606 *Chaetaglaea tremula* (Harvey, 1875)
- 932607 *Chaetaglaea sericea* (Morrison, 1874)
- 932608 *Psectraglaea carnosa* (Grote, 1877)
- 932609 *Eucirroedia pampina* (Guenée, 1852)
- 932610 *Mesogona olivata* (Harvey, 1874)
- 932611 *Mesogona rubra* Hammond & Crabo, [1998] ‡
- 932612 *Mesogona subcuprea* Crabo & Hammond, [1998] ‡
- 932613 *Agrochola purpurea* (Grote, 1874)
- 932614 *Agrochola pulchella* (Smith, 1900)
- 932615 *Agrochola lota* (Clerck, 1759)
- 932616 *Sunira bicolorago* (Guenée, 1852) <sup>491</sup>  
syn. *S. straminea* (Smith, 1907) <sup>492</sup>
- 932617 *Sunira decipiens* (Grote, 1881)
- 932618 *Sunira verberata* (Smith, 1904)

- 932619 *Anathix ralla* (Grote & Robinson, 1868)
- 932620 *Anathix puta* (Grote & Robinson, 1868)
- 932621 *Anathix aggressa* (Smith, 1907)
- 932622 *Xanthia tatago* Lafontaine & Mikkola, 2003 ‡
- 932623 *Hillia maida* (Dyar, 1904)
- 932624 *Hillia iris* (Zetterstedt, 1839)
- 932625 *Parastichtis suspecta* (Hübner, [1817])<sup>493</sup>  
syn. *P. discivaria* (Walker, 1856)
- 932626 *Aseptis fumosa* (Grote, 1879)
- 932627 *Aseptis catalina* (Smith, 1899)
- 932628 *Aseptis perfumosa* (Hampson, 1918)
- 932629 *Aseptis fumeola* (Hampson, 1908)
- 932630 *Aseptis ethnica* (Smith, 1899)
- 932631 *Aseptis fannatica* Mustelin, 2006 ‡
- 932632 *Aseptis ferruginea* Mustelin, 2000 ‡
- 932633 *Aseptis murina* Mustelin, 2000 ‡
- 932634 *Aseptis binotata* (Walker, 1865)
- 932635 *Aseptis adnixa* (Grote, 1880)
- 932636 *Aseptis paviae* (Strecker, 1874)
- 932637 *Aseptis pausis* (Smith, 1899)
- 932638 *Aseptis pseudolichena* Mustelin & Leuschner, 2000 ‡
- 932639 *Aseptis lichena* (Barnes & McDunnough, 1912)<sup>494</sup>
- 932640 *Aseptis genatrix* (Grote, 1878)
- 932641 *Aseptis dilara* (Strecker, 1899)
- 932642 *Aseptis cara* (Barnes & McDunnough, 1912)
- 932643 *Aseptis susquesa* (Smith, 1908)
- 932644 *Aseptis monica* (Barnes & McDunnough, 1918)
- 932645 *Aseptis serrula* (Barnes & McDunnough, 1918)
- 932646 *Aseptis torreyana* Mustelin, 2006 ‡
- 932647 *Aseptis bultata* (Smith, 1906)
- 932648 *Aseptis characta* (Grote, 1880)
- 932649 “*Aseptis*” *marina* (Grote, 1874)<sup>495</sup>
- 932650 *Epidemas cinerea* Smith, 1894
- 932651 *Epidemas obscurus* Smith, 1903<sup>496</sup>  
syn. *E. melanographa* Hampson, 1906
- 932652 *Brachylomia elda* (French, 1887)
- 932653 *Brachylomia populi* (Strecker, 1898)
- 932654 *Brachylomia algens* (Grote, 1878)
- 932655 *Brachylomia discolor* (Smith, 1904)<sup>497</sup>
- 932656 *Brachylomia discinigra* (Walker, 1856)
- 932657 *Brachylomia curvifascia* (Smith, 1891)
- 932658 *Brachylomia obscurifascia* Troubridge & Lafontaine, 2007 ‡
- 932659 *Brachylomia rectifascia* (Smith, 1891)
- 932660 *Brachylomia pallida* Troubridge & Lafontaine, 2007 ‡



- 932661 *Brachylomia cascadia* Troubridge & Lafontaine, 2007 ‡  
 932662 *Brachylomia thula* (Strecker, 1898)  
 932663 *Brachylomia sierra* Troubridge & Lafontaine, 2007 ‡  
 932664 *Hyppa xylinoides* (Guenée, 1852)<sup>498</sup>  
     syn. *H. ancocisconensis* Morrison, 1875  
 932665 *Hyppa contrasta* McDunnough, 1946<sup>498</sup>  
     syn. *H. ancocisconensis* of authors, not Morrison, 1875  
 932666 *Hyppa potamus* Troubridge & Lafontaine, 2004 ‡  
 932667 *Hyppa brunneicrista* Smith, 1902  
 932668 *Hyppa indistincta* Smith, 1894  
**Subtribe Cosmiina Guenée, 1852**<sup>499</sup>  
 932669 *Cosmia epipaschia* (Grote, 1883)<sup>500</sup>  
 932670 *Cosmia praeacuta* (Smith, 1894)<sup>500</sup>  
     syn. *C. parvimacula* Smith, 1903<sup>501</sup>  
 932671 *Cosmia elisae* Lafontaine & Troubridge, 2003 ‡  
 932672 *Cosmia calami* (Harvey, 1876)  
 932673 *Zotheca tranquilla* Grote, 1874  
 932674 *Enargia decolor* (Walker, 1858)  
 932675 *Enargia infumata* (Grote, 1874)<sup>502</sup>  
     syn. *E. mephisto* Franclemont, 1939  
 932676 *Enargia fausta* Schmidt, 2010 ‡<sup>503</sup>  
     syn. *infumata* of authors, not (Grote, 1874)  
 932677 *Ipimorpha nanaimo* Barnes, 1905  
 932678 *Ipimorpha viridipallida* Barnes & McDunnough, 1916  
 932679 *Ipimorpha pleonectusa* Grote, 1873<sup>504</sup>  
     syn. *I. subvexa* Grote, 1876  
**Subtribe Antitypina Forbes & Franclemont, 1954**<sup>505</sup>  
 932680 *Andropolia diversilineata* (Grote, 1877)  
 932681 *Andropolia contacta* (Walker, 1856)<sup>506</sup>  
     syn. *A. sansar* (Strecker, 1898)  
     syn. *A. extincta* (Smith, 1900)<sup>506</sup>  
 932682 *Andropolia olorina* (Grote, 1876)  
 932683 *Andropolia olga* Smith, 1911<sup>507</sup>  
 932684 *Andropolia aedon* (Grote, 1880)  
 932685 *Andropolia theodori* (Grote, 1878)  
 932686 *Rhizagrotis cloanthoides* (Grote, 1881)  
 932687 *Rhizagrotis albalis* (Grote, 1878)  
 932688 *Rhizagrotis modesta* (Barnes & McDunnough, 1911)<sup>508</sup>  
 932689 *Rhizagrotis stylata* (Smith, 1893)<sup>508</sup>  
 932690 *Pseudohadena vulnerea* (Grote, 1883)  
 932691 *Fishia discors* (Grote, 1881)<sup>509</sup>  
     syn. *F. evelina* (French, 1888)  
     syn. *F. hanhami* Smith, 1909

- 932692 *Fishia connecta* (Smith, 1894)
- 932693 *Fishia yosemitae* (Grote, 1873) <sup>510</sup>  
syn. *F. enthea* Grote, 1877  
syn. *F. tortilis* (Grote, 1880) <sup>510</sup>  
syn. *F. betsia* Smith, 1905  
syn. *F. instruta* Smith, 1910
- 932694 *Fishia dispar* (Smith, 1900) <sup>511</sup>
- 932695 *Fishia illocata* (Walker, 1857) <sup>512</sup>
- 932696 *Platypolia anceps* (Stephens, 1850)
- 932697 *Platypolia contadina* (Smith, 1894)
- 932698 *Platypolia loda* (Strecker, 1898)
- 932699 “*Platypolia*” *mactata* (Guenée, 1852) <sup>513</sup>
- 932700 *Xylotype capax* (Grote, 1868)
- 932701 *Xylotype arcadia* Barnes & Benjamin, 1922 <sup>514</sup>  
syn. *X. acadia* of authors; invalid emmendation
- 932702 *Dryotype opina* (Grote, 1878)
- 932703 *Mniotype adusta* (Esper, [1790]) <sup>515</sup>  
syn. *M. sommeri* (Lefebvre, 1836)
- 932704 *Mniotype pallescens* McDunnough, 1946
- 932705 *Mniotype ducta* (Grote, 1878) <sup>516</sup>  
syn. *M. versuta* (Smith, 1895)
- 932706 *Mniotype tenera* (Smith, 1900) <sup>517</sup>  
syn. *M. miniota* (Smith, 1908)  
syn. *M. ferida* (Smith, 1908) <sup>518</sup>
- 932707 *Sutyna privata* (Walker, 1857) <sup>519</sup>  
syn. *S. profundus* (Smith, 1900)  
syn. *S. tenuilinea* (Smith, 1903) <sup>519</sup>
- 932708 *Pachypolia atricornis* Grote, 1874  
**Subtribe Ufeina Crumb, 1956** <sup>520</sup>
- 932709 *Ufeus satyricus* Grote, 1873 <sup>521</sup>  
ssp. *U. s. satyricus* Grote, 1873  
syn. *U. barometricus* (Goossens, 1881)  
ssp. *U. s. saggiatarius* Grote, 1883 <sup>522</sup>
- 932710 *Ufeus plicatus* Grote, 1873 <sup>523</sup>  
syn. *U. unicolor* Grote, 1878
- 932711 *Ufeus electra* Smith, 1908 <sup>524</sup>  
syn. *U. hulsti* Smith, 1908
- 932712 *Ufeus faunus* Strecker, 1898  
**Tribe Xylenini (incertae sedis)** <sup>525</sup>
- 932713 *Chytonix palliatricula* (Guenée, 1852)
- 932714 *Chytonix sensilis* Grote, 1881
- 932715 *Chytonix rupertii* Franclemont, 1941
- 932716 *Niphonyx segregata* (Butler, 1878) <sup>526</sup>

- 932717 *Agrotisia evelinae* Benjamin, 1933  
 932718 *Properigea loculosa* (Grote, 1881)  
 932719 *Properigea albimacula* (Barnes & McDunnough, 1912)  
 932720 *Properigea costa* (Barnes & Benjamin, 1923)  
 932721 *Properigea continens* (H. Edwards, 1885)  
 932722 *Properigea mephisto* (A. Blanchard, 1968)  
 932723 *Properigea tapeta* (Smith, 1900)  
 932724 *Properigea seitzii* (Barnes & Benjamin, 1926)  
 932725 *Properigea suffusa* (Barnes & McDunnough, 1912)  
 932726 *Properigea perolivalis* (Barnes & McDunnough, 1912)  
 932727 *Properigea niveirena* (Harvey, 1876)  
 932728 *Hemibryomima chryselectra* (Grote, 1880)  
 932729 *Pseudobryomima distans* (Barnes & McDunnough, 1912)  
 932730 *Pseudobryomima muscosa* (Hampson, 1906)  
 932731 *Pseudobryomima fallax* (Hampson, 1906)  
 932732 *Pseudanarta flavidens* (Grote, 1879)  
 932733 *Pseudanarta actura* Smith, 1908  
 932734 *Pseudanarta basivirida* (Barnes & McDunnough, 1911)  
 932735 *Pseudanarta caeca* Dod, 1913  
 932736 *Pseudanarta crocea* (H. Edwards, 1875)  
 932737 *Pseudanarta flava* (Grote, 1874)  
 932738 *Pseudanarta singula* (Grote, 1880)  
 932739 *Pseudanarta pulverulenta* (Smith, 1891)  
 932740 *Pseudanarta exasperata* Franclemont, 1941  
 932741 *Pseudanarta perplexa* Franclemont, 1941  
 932742 *Pseudanarta damnata* Franclemont, 1941  
 932743 *Pseudanarta vexata* Franclemont, 1941  
 932744 *Pseudanarta daemonalis* Franclemont, 1941  
 932745 *Homoanarta falcata* (Neumögen, 1884)  
 932746 *Homoanarta peralta* (Barnes, 1907)  
 932747 *Homoanarta carneola* (Smith, 1891)  
 932748 *Pseudanthoecia tumida* (Grote, 1880)  
 932749 *Fagitana littera* (Guenée, 1852)  
**Tribe Orthosiini Guenée, 1837** <sup>527</sup>  
 932750 *Perigonica tertia* Dyar, 1903  
     syn. *P. fermata* Smith, 1911 <sup>528</sup>  
 932751 *Perigonica fulminans* Smith, 1890  
 932752 *Perigonica eldana* Smith, 1911  
 932753 *Perigonica angulata* Smith, 1890  
 932754 *Perigonica pectinata* (Smith, [1888])  
     syn. *P. johnstoni* (McDunnough, 1943) <sup>529</sup>  
 932755 *Acerra normalis* Grote, 1874  
 932756 *Stretchia plusiaeformis* H. Edwards, 1874

- 932757 *Stretchia pictipennis* McDunnough, 1949
- 932758 *Stretchia muricina* (Grote, 1876)
- 932759 *Stretchia pacifica* McDunnough, 1949
- 932760 *Stretchia inferior* (Smith, [1888])
- 932761 *Stretchia prima* Smith, 1891
- 932762 *Orthosia erythrolita* (Grote, 1879)
- 932763 *Orthosia pulchella* (Harvey, 1876)
- 932764 *Orthosia transparens* (Grote, 1882)
- 932765 *Orthosia praeses* (Grote, 1879)
- 932766 *Orthosia mys* (Dyar, 1903)
- 932767 *Orthosia ferrigera* (Smith, 1894)
- 932768 *Orthosia terminata* (Smith, [1888])
- 932769 *Orthosia behrensiana* (Grote, 1875)  
syn. *O. macona* (Smith, 1908) <sup>530</sup>
- 932770 *Orthosia rubescens* (Walker, 1865)
- 932771 *Orthosia garmani* (Grote, 1879)
- 932772 *Orthosia arthrolita* (Harvey, 1875)
- 932773 *Orthosia revicta* (Morrison, 1876)
- 932774 *Orthosia alurina* (Smith, 1902)
- 932775 *Orthosia desperata* (Smith, 1891)
- 932776 *Orthosia segregata* (Smith, 1893)
- 932777 *Orthosia pacifica* (Harvey, 1874)
- 932778 *Orthosia hibisci* (Guenée, 1852)
- 932779 *Orthosia flaviannula* (Smith, 1899)
- 932780 *Orthosia annulimacula* (Smith, 1891)
- 932781 *Orthosia tenuimacula* (Barnes & McDunnough, 1913)
- 932782 “*Orthosia*” *mediomacula* Barnes & Benjamin, 1924
- 932783 “*Orthosia*” *nongenerica* Barnes & Benjamin, 1924
- 932784 *Crocigrapha normani* (Grote, 1874)
- 932785 *Himella fidelis* Grote, 1874 <sup>531</sup>
- 932786 *Egira baueri* (Buckett, 1968)
- 932787 *Egira variabilis* (Smith, 1891)
- 932788 *Egira hiemalis* (Grote, 1874)
- 932789 *Egira simplex* (Walker, 1865)
- 932790 *Egira vanduzeei* (Barnes & Benjamin, 1926)
- 932791 *Egira crucialis* (Harvey, 1875)
- 932792 *Egira cognata* (Smith, 1894)
- 932793 *Egira februalis* (Barnes & McDunnough, 1918)
- 932794 *Egira curialis* (Grote, 1873)  
syn. *E. candida* (Smith, 1894) <sup>532</sup>
- 932795 *Egira dolosa* (Grote, 1880)
- 932796 *Egira rubrica* (Harvey, 1878)
- 932797 *Egira perlubens* (Grote, 1881)

- 932798 *Egira purpurea* (Barnes & McDunnough, 1910)  
 932799 *Egira alternans* (Walker, [1857])  
           syn. *E. onychina* (Guenée, 1852) <sup>533</sup>  
 932800 *Achatia distincta* Hübner, 1813  
 932801 *Morrisonia mucens* (Hübner, [1831])  
 932802 *Morrisonia evicta* (Grote, 1873)  
 932803 *Morrisonia confusa* (Hübner, [1831])  
 932804 *Morrisonia triangula* Sullivan & Adams, 2009 ‡  
 932805 *Morrisonia latex* (Guenée, 1852) <sup>534</sup>  
 932806 *Admetovis oxymorus* Grote, 1873  
 932807 *Admetovis similis* Barnes, 1904  
       **Tribe Tholerini Beck, 1996 ‡** <sup>527</sup>  
 932808 *Cerapteryx graminis* (Linnaeus, 1758)  
 932809 *Tholera americana* (Smith, 1894)  
 932810 *Nephelodes minians* Guenée, 1852  
 932811 *Nephelodes demaculata* Barnes & McDunnough, 1918  
 932812 *Nephelodes mendica* Barnes & Lindsey, 1921  
 932813 *Nephelodes adusta* Buckett, 1973  
 932814 *Nephelodes carminata* (Smith, 1890)  
       **Tribe Hadenini Guenée, 1837** <sup>527</sup>  
 932815 *Escaria clauda* Grote, 1883 <sup>535</sup>  
 932816 *Escaria homogena* McDunnough, 1922  
 932817 *Minofala instans* Smith, 1905 <sup>535</sup>  
 932818 *Sparkia immacula* (Grote, 1883) <sup>535</sup>  
 932819 *Trichocosmia inornata* Grote, 1883 <sup>535</sup>  
 932820 *Trichocosmia drasteroides* (Smith, 1903)  
 932821 *Afotella cylindrica* (Grote, 1880) <sup>535</sup>  
 932822 *Hadenella pergentilis* Grote, 1883 <sup>535</sup>  
 932823 *Anarta nigrolunata* Packard, 1867 <sup>536</sup>  
 932824 *Anarta sierrae* Barnes & McDunnough, 1916  
 932825 *Anarta chartaria* (Grote, 1873) <sup>537</sup>  
 932826 *Anarta trifolii* (Hufnagel, 1766)  
 932827 *Anarta mutata* (Dod, 1913)  
 932828 *Anarta fulgora* (Barnes & McDunnough, 1918)  
 932829 *Anarta castrae* (Barnes & McDunnough, 1912)  
 932830 *Anarta hamata* (McDunnough, 1930)  
 932831 *Anarta oregonica* (Grote, 1881)  
 932832 *Anarta montanica* (McDunnough, 1930) <sup>538</sup>  
 932833 *Anarta columbica* (McDunnough, 1930) <sup>538</sup>  
 932834 *Anarta alta* (Barnes & Benjamin, 1924)  
 932835 *Anarta subalbida* (Barnes & Benjamin, 1924)  
 932836 *Anarta obesula* (Smith, 1904)  
 932837 *Anarta farnhami* (Grote, 1873)



- 932838 *Anarta crotchii* (Grote, 1880)  
syn. *A. chunka* (Smith, 1910) <sup>539</sup>
- 932839 *Anarta fusculeta* (Smith, 1891) <sup>540</sup>
- 932840 *Anarta oaklandiae* (McDunnough, 1937)
- 932841 *Anarta projecta* (McDunnough, 1938)
- 932842 *Anarta edwardsii* (Smith, [1888]) <sup>537</sup>
- 932843 *Anarta florida* (Smith, 1900)
- 932844 *Anarta antica* (Smith, 1891)
- 932845 *Anarta decepta* (Grote, 1883)  
syn. *A. postica* (Smith, 1891) <sup>541</sup>
- 932846 *Trudestra hadeniformis* (Smith, 1894)
- 932847 *Scotogramma submarina* (Grote, 1883)
- 932848 *Scotogramma fervida* Barnes & McDunnough, 1912
- 932849 *Scotogramma densa* Smith, 1893
- 932850 *Scotogramma stretchii* H. Edwards, 1887
- 932851 *Scotogramma harnardi* Barnes & Benjamin, 1924
- 932852 *Scotogramma addenda* Barnes & Benjamin, 1924
- 932853 *Scotogramma ptilodonta* (Grote, 1883)
- 932854 *Scotogramma megaera* Smith, 1899
- 932855 *Scotogramma hirsuta* McDunnough, 1938
- 932856 *Scotogramma yakima* (Smith, 1900)
- 932857 *Scotogramma orida* (Smith, 1903)
- 932858 *Scotogramma gatei* (Smith, 1910)
- 932859 *Scotogramma fieldi* Barnes & Benjamin, 1927
- 932860 *Scotogramma deffessa* (Grote, 1880)
- 932861 *Scotogramma inconcinna* Smith, [1888]
- 932862 *Tridepia nova* (Smith, 1903)
- 932863 *Coranarta luteola* (Grote & Robinson, 1865) <sup>542</sup>  
syn. *C. cordigera* of authors, not (Thunberg, 1788)
- 932864 *Coranarta macrostigma* (Lafontaine & Mikkola, 1987) ‡
- 932865 *Polia discalis* (Grote, 1877) <sup>543</sup>
- 932866 *Polia piniae* Buckett & Bauer, 1967
- 932867 *Polia nimbosa* (Guenée, 1852)
- 932868 *Polia imbrifera* (Guenée, 1852)
- 932869 *Polia rogenhoferi* (Möschler, 1870) <sup>544</sup>  
syn. *P. leomegra* (Smith, 1908)  
syn. *P. carbonifera* (Hampson, 1908)
- 932870 *Polia propodea* McCabe, 1980 ‡
- 932871 *Polia richardsoni* (Curtis, 1834)  
ssp. *P. r. richardsoni* (Curtis, 1834)  
ssp. *P. r. magna* (Barnes & Benjamin, 1924) <sup>545</sup>
- 932872 *Polia purpurissata* (Grote, 1864)
- 932873 *Polia nugatis* (Smith, 1898)

- 932874 *Melanchra adjuncta* (Guenée, 1852) <sup>543</sup>
- 932875 *Melanchra picta* (Harris, 1841)
- 932876 *Melanchra pulverulenta* (Smith, [1888])
- 932877 *Melanchra assimilis* (Morrison, 1874)
- 932878 *Lacanobia nevadae* (Grote, 1876) <sup>543</sup>
- 932879 *Lacanobia atlantica* (Grote, 1874)
- 932880 *Lacanobia radix* (Walker, [1857])
- 932881 *Lacanobia subjuncta* (Grote & Robinson, 1868)
- 932882 *Lacanobia grandis* (Guenée, 1852) <sup>546</sup>
- 932883 *Spiramater lutra* (Guenée, 1852) <sup>547</sup>
- 932884 *Trichordestra rugosa* (Morrison, 1875) <sup>548</sup>
- 932885 *Trichordestra tacoma* (Strecker, 1900)
- 932886 *Trichordestra legitima* (Grote, 1864)
- 932887 *Trichordestra dodii* (Smith, 1904)
- 932888 *Trichordestra beanii* (Grote, 1877)
- 932889 *Trichordestra lilacina* (Harvey, 1874)
- 932890 *Trichordestra liquida* (Grote, 1881)
- 932891 *Trichordestra prodeniformis* (Smith, [1888])
- 932892 *Papestra quadrata* (Smith, 1891) <sup>543</sup>
- 932893 *Papestra biren* (Goeze, 1781)
- 932894 *Papestra cristifera* (Walker, 1858)
- 932895 *Papestra brenda* (Barnes & McDunnough, 1916)
- 932896 *Papestra invalida* (Smith, 1891)
- 932897 *Hada sutrina* (Grote, 1881) <sup>549</sup>
- 932898 *Mamestra configurata* Walker, 1856
- 932899 *Mamestra curialis* (Smith, [1888])
- 932900 *Sideridis ruisa* Forbes, 1913 <sup>550</sup>
- 932901 *Sideridis vindemialis* (Guenée, 1852)
- 932902 *Sideridis fuscolutea* (Smith, 1892)
- 932903 *Sideridis mojave* (Benjamin, 1932)
- 932904 *Sideridis uscripta* (Smith, 1891)
- 932905 *Sideridis artesta* (Smith, 1903)
- 932906 *Sideridis rosea* (Harvey, 1874)
- 932907 *Sideridis congermana* (Morrison, 1874)
- 932908 *Sideridis maryx* (Guenée, 1852)
- 932909 *Hecatera dysodea* ([Denis & Schiffermüller], 1775) <sup>551</sup>
- 932910 *Hadena variolata* (Smith, [1888]) <sup>552</sup>
- 932911 *Hadena capsularis* (Guenée, 1852)
- 932912 *Hadena lafontainei* Troubridge & Crabo, 2002 ‡
- 932913 *Hadena ectypa* (Morrison, 1875)
- 932914 *Hadena minorata* (Smith, [1888])
- 932915 *Hadena glaciata* (Grote, 1882)
- 932916 *Hadena circumvadis* (Smith, 1902)

- 932917 *Hadena caelestis* Troubridge & Crabo, 2002 ‡
- 932918 *Hadena gabrieli* Troubridge & Crabo, 2002 ‡
- 932919 *Hadena ectrapela* (Smith, 1898)  
syn. *H. jola* (Barnes & Benjamin, 1924) <sup>553</sup>
- 932920 *Hadena amabilis* (Barnes & McDunnough, 1918)
- 932921 *Hadena plumasata* (Buckett & Bauer, 1967) <sup>554</sup>
- 932922 *Hadena maccabei* Troubridge & Crabo, 2002 ‡
- 932923 *Hadena paulula* Troubridge & Crabo, 2002 ‡
- 932924 *Hadena siskiyou* Troubridge & Crabo, 2002 ‡
- 932925 *Dargida procinctus* (Grote, 1873) <sup>555</sup>
- 932926 *Dargida grammivora* Walker, 1856
- 932927 *Dargida quadrannulata* (Morrison, 1876) <sup>556</sup>
- 932928 *Dargida diffusa* (Walker, 1856)
- 932929 *Dargida terrapictalis* (Buckett, 1969)
- 932930 *Dargida tetera* (Smith, 1902)
- 932931 *Dargida rubripennis* (Grote & Robinson, 1870)
- 932932 *Dargida aleada* Smith, 1908
- Tribe Leucaniini Guenée, 1837** <sup>527</sup>
- 932933 *Mythimna oxygala* (Grote, 1881) <sup>557</sup>
- 932934 *Mythimna yukonensis* (Hampson, 1911)
- 932935 *Mythimna unipuncta* (Haworth, 1809) <sup>557</sup>
- 932936 *Mythimna sequax* (Franclemont, 1951)
- 932937 *Leucania extincta* Guenée, 1852
- 932938 *Leucania linita* Guenée, 1852
- 932939 *Leucania farcta* (Grote, 1881)
- 932940 *Leucania oregona* Smith, 1902 <sup>558</sup>
- 932941 *Leucania anteroclara* Smith, 1902
- 932942 *Leucania februalis* (Hill, 1924)
- 932943 *Leucania phragmitidicola* Guenée, 1852  
*L. phragmatidicola* Guenée, 1852, misspelling
- 932944 *Leucania linda* Franclemont, 1952
- 932945 *Leucania multilinea* Walker, 1856
- 932946 *Leucania lapidaria* (Grote, 1876) <sup>559</sup>
- 932947 *Leucania commoides* Guenée, 1852
- 932948 *Leucania insueta* Guenée, 1852
- 932949 *Leucania dia* (Grote, 1879) <sup>560</sup>
- 932950 *Leucania incognita* (Barnes & McDunnough, 1918)
- 932951 *Leucania inconspicua* Herrich-Schäffer, 1868 <sup>561</sup>
- 932952 *Leucania oaxacana* Schaus, 1898
- 932953 *Leucania imperfecta* Smith, 1894
- 932954 *Leucania stolata* Smith, 1894
- 932955 *Leucania subpunctata* (Harvey, 1875) <sup>562</sup>  
syn. *L. latiuscula* of authors, not Herrich-Schäffer, 1868

- 932956 *Leucania lobrega* Adams, 2001 ‡<sup>563</sup>  
syn. *L. opalisans* of Dickel (1991), not (Draudt, 1924)
- 932957 *Leucania scirpicola* Guenée, 1852
- 932958 *Leucania senescens* Möschler, 1890<sup>561</sup>
- 932959 *Leucania dorsalis* Walker, 1856<sup>561</sup>
- 932960 *Leucania adjuta* (Grote, 1874)
- 932961 *Leucania infatuans* Franclemont, 1972
- 932962 *Leucania humidicola* Guenée, 1852  
syn. *L. solita* Walker, 1856<sup>564</sup>
- 932963 *Leucania inermis* (Forbes, 1936)
- 932964 *Leucania calidior* (Forbes, 1936)
- 932965 *Leucania ursula* (Forbes, 1936)
- 932966 *Leucania pseudargyria* Guenée, 1852
- 932967 *Leucania pilipalpis* (Grote, 1877)
- Tribe Eriopygini Fibiger & Lafontaine, 2005 ‡<sup>527</sup>**
- 932968 *Lasionycta skraelingia* (Herrich-Schäffer, 1852)<sup>565</sup>
- 932969 *Lasionycta taigata* Lafontaine, 1988 ‡
- 932970 *Lasionycta secedens* (Walker, [1858])<sup>566</sup>  
ssp. *L. s. secedens* (Walker, [1858])  
ssp. *L. s. bohemani* (Staudinger, 1861)<sup>567</sup>
- 932971 *Lasionycta phaea* (Hampson, 1905)<sup>568</sup>
- 932972 *Lasionycta subdita* (Möschler, 1860)  
syn. *L. membrosa* (Morrison, 1875)<sup>569</sup>
- 932973 *Lasionycta conjugata* (Smith, 1899)
- 932974 *Lasionycta fergusonii* Crabo & Lafontaine, 2009 ‡
- 932975 *Lasionycta mutilata* (Smith, 1898)<sup>570</sup>  
syn. *L. rainieri* (Smith, 1900)
- 932976 *Lasionycta haida* Crabo & Lafontaine, 2009 ‡
- 932977 *Lasionycta luteola* (Smith, 1893)
- 932978 *Lasionycta leucocycla* (Staudinger, 1857)<sup>571</sup>  
ssp. *L. l. leucocycla* (Staudinger, 1857)  
ssp. *L. l. moeschleri* (Staudinger, 1901)  
ssp. *L. l. hampa* (Smith, 1908)  
ssp. *L. l. albertensis* (McDunnough, 1925)
- 932979 *Lasionycta flanda* (Smith, 1908)<sup>572</sup>
- 932980 *Lasionycta coracina* Crabo & Lafontaine, 2009 ‡
- 932981 *Lasionycta anthracina* Crabo & Lafontaine, 2009 ‡
- 932982 *Lasionycta poca* (Barnes & Benjamin, 1923)<sup>573</sup>
- 932983 *Lasionycta coloradensis* (Richards, 1943)<sup>572</sup>
- 932984 *Lasionycta illima* Crabo & Lafontaine, 2009 ‡
- 932985 *Lasionycta frigida* Crabo & Lafontaine, 2009 ‡
- 932986 *Lasionycta sasquatch* Crabo & Lafontaine, 2009 ‡

- 932987 *Lasionycta benjamini* Hill, 1927  
 ssp. *L. b. benjamini* Hill, 1927  
 ssp. *L. b. medaminosa* Crabo & Lafontaine, 2009 ‡
- 932988 *Lasionycta perplexa* (Smith, [1888])<sup>574</sup>  
 syn. *L. marloffi* (Dyar, 1922)  
 syn. *L. alberta* (Barnes & Benjamin, 1923)
- 932989 *Lasionycta perplexella* Crabo & Lafontaine, 2009 ‡
- 932990 *Lasionycta subalpina* Crabo & Lafontaine, 2009 ‡
- 932991 *Lasionycta subfuscata* (Grote, 1874)<sup>575</sup>  
 ssp. *L. s. subfuscata* (Grote, 1874)  
 syn. *L. sedilis* (Smith, 1899)  
 ssp. *L. s. livida* Crabo & Lafontaine, 2009 ‡
- 932992 *Lasionycta staudingeri* (Aurivillius, 1891)<sup>575</sup>  
 syn. *L. zemblica* (Hampson, 1905)  
 ssp. *L. s. preblei* (Benjamin, 1933)
- 932993 *Lasionycta dolosa* (Barnes & Benjamin, 1923)<sup>576</sup>
- 932994 *Lasionycta subfumosa* (Gibson, 1920)<sup>576</sup>
- 932995 *Lasionycta quadrilunata* (Grote, 1874)<sup>577</sup>  
 ssp. *L. q. quadrilunata* (Grote, 1874)  
 ssp. *L. q. yukona* Lafontaine, 1986 ‡
- 932996 *Lasionycta lagganata* (Barnes & Benjamin, 1924)
- 932997 *Lasionycta carolynae* Crabo, 2009 ‡
- 932998 *Lasionycta phoca* (Möschler, 1864)<sup>570</sup>  
 syn. *L. albinuda* (Smith, 1903)
- 932999 *Lasionycta uniformis* (Smith, 1893)<sup>577</sup>  
 ssp. *L. u. uniformis* (Smith, 1893)  
 ssp. *L. u. multicolor* Crabo & Lafontaine, 2009 ‡  
 ssp. *L. u. fusca* Crabo & Lafontaine, 2009 ‡  
 ssp. *L. u. shasta* Crabo & Lafontaine, 2009 ‡  
 ssp. *L. u. handfieldi* Crabo & Lafontaine, 2009 ‡
- 933000 *Lasionycta brunnea* Crabo & Lafontaine, 2009 ‡
- 933001 *Lasionycta caesia* Crabo & Lafontaine, 2009 ‡
- 933002 *Lasionycta gelida* Crabo & Lafontaine, 2009 ‡
- 933003 *Lasionycta discolor* (Smith, 1899)<sup>578</sup>  
 syn. *L. klotsi* (Richards, 1943)
- 933004 *Lasionycta mono* Crabo & Lafontaine, 2009 ‡
- 933005 *Lasionycta promulsa* (Morrison, 1875)<sup>578</sup>  
 syn. *L. infuscata* (Smith, 1899)
- 933006 *Lasionycta macleani* (McDunnough, 1927)
- 933007 *Lasionycta pulverea* Crabo & Lafontaine, 2009 ‡
- 933008 *Lasionycta silacea* Crabo & Lafontaine, 2009 ‡
- 933009 *Lasionycta sierra* Crabo & Lafontaine, 2010 ‡



- 933010 *Lasionycta impingens* (Walker, 1857)<sup>577</sup>  
 ssp. *L. i. impingens* (Walker, 1857)  
 ssp. *L. i. curta* (Morrison, 1875)
- 933011 *Psammopolia arietis* (Grote, 1879)<sup>579</sup>  
 syn. *P. etacta* (Smith, 1900)<sup>580</sup>
- 933012 *Psammopolia wyatti* (Barnes & Benjamin, 1926)
- 933013 *Psammopolia insolens* (Grote, 1874)
- 933014 *Psammopolia sala* (Troubridge & Mustelin, 2006) ‡
- 933015 *Psammopolia ochracea* (Smith, 1892)
- 933016 *Lacinipolia meditata* (Grote, 1873)<sup>581</sup>  
 syn. *L. brachiolum* (Harvey, 1876)  
 syn. *L. determinata* (Smith, 1891)  
 syn. *L. rubrifusa* (Hampson, 1905)
- 933017 *Lacinipolia lustralis* (Grote, 1875)
- 933018 *Lacinipolia cuneata* (Grote, 1873)
- 933019 *Lacinipolia anguina* (Grote, 1881)
- 933020 *Lacinipolia incurva* (Smith, [1888])
- 933021 *Lacinipolia longiclava* (Smith, 1891)
- 933022 *Lacinipolia gnata* (Grote, 1882)
- 933023 *Lacinipolia agnata* (Smith, 1905)
- 933024 *Lacinipolia prognata* McDunnough, 1940
- 933025 *Lacinipolia delongi* Selman & Leuschner, 2001 ‡
- 933026 *Lacinipolia luteimacula* (Barnes & Benjamin, 1925)
- 933027 *Lacinipolia umbrosa* (Smith, [1888])
- 933028 *Lacinipolia vittula* (Grote, 1882)
- 933029 *Lacinipolia naevia* (Smith, 1898)
- 933030 *Lacinipolia stenotis* (Hampson, 1905)
- 933031 *Lacinipolia palilis* (Harvey, 1875)
- 933032 *Lacinipolia uliginosa* (Smith, 1905)
- 933033 *Lacinipolia canities* (Hampson, 1905)
- 933034 *Lacinipolia selama* (Strecker, 1898)
- 933035 *Lacinipolia roseosuffusa* (Smith, 1900)
- 933036 *Lacinipolia falsa* (Grote, 1880)
- 933037 *Lacinipolia francisca* (Smith, 1910)
- 933038 *Lacinipolia leucogramma* (Grote, 1873)
- 933039 *Lacinipolia teligera* (Morrison, 1875)
- 933040 *Lacinipolia vicina* (Grote, 1874)
- 933041 *Lacinipolia subalba* Mustelin, 2000 ‡
- 933042 *Lacinipolia pensilis* (Grote, 1874)
- 933043 *Lacinipolia basiplaga* (Smith, 1905)
- 933044 *Lacinipolia renigera* (Stephens, 1829)
- 933045 *Lacinipolia stricta* (Walker, 1865)
- 933046 *Lacinipolia circumcincta* (Smith, 1891)

- 933047 *Lacinipolia spiculosa* (Grote, 1883)
- 933048 *Lacinipolia lepidula* (Smith, [1888])
- 933049 *Lacinipolia perta* (Druce, 1889)
- 933050 *Lacinipolia erecta* (Walker, [1857])
- 933051 *Lacinipolia triplehorni* Selman & Leuschner, 2001 ‡
- 933052 *Lacinipolia lorea* (Guenée, 1852)
- 933053 *Lacinipolia olivacea* (Morrison, 1874)
- 933054 *Lacinipolia bucketti* Selman & Leuschner, 2001 ‡
- 933055 *Lacinipolia baueri* Selman & Leuschner, 2001 ‡
- 933056 *Lacinipolia sharonae* Selman & Leuschner, 2001 ‡
- 933057 *Lacinipolia fordi* Selman & Leuschner, 2001 ‡
- 933058 *Lacinipolia franclemonti* Selman & Leuschner, 2001 ‡
- 933059 *Lacinipolia aileenae* Selman & Leuschner, 2001 ‡
- 933060 *Lacinipolia rodora* (Dyar, 1911) <sup>582</sup>
- 933061 *Lacinipolia davena* (Smith, 1901)
- 933062 *Lacinipolia comis* (Grote, 1876)
- 933063 *Lacinipolia rectilinea* (Smith, [1888])
- 933064 *Lacinipolia lunolacta* (Smith, 1903)
- 933065 *Lacinipolia laudabilis* (Guenée, 1852)
- 933066 *Lacinipolia marinitincta* (Harvey, 1875)
- 933067 *Lacinipolia explicata* McDunnough, 1937
- 933068 *Lacinipolia implicata* McDunnough, 1937
- 933069 *Lacinipolia strigicollis* (Wallengren, 1860)  
syn. *L. illaudabilis* (Grote, 1875) <sup>583</sup>
- 933070 *Lacinipolia tricornuta* McDunnough, 1937
- 933071 *Lacinipolia runica* (Hampson, 1918)
- 933072 *Lacinipolia viridifera* McDunnough, 1937
- 933073 *Lacinipolia consimilis* McDunnough, 1937
- 933074 *Lacinipolia buscki* (Barnes & Benjamin, 1927)
- 933075 *Lacinipolia quadrilineata* (Grote, 1873)
- 933076 *Lacinipolia martini* Selman & Leuschner, 2001 ‡
- 933077 *Lacinipolia patalis* (Grote, 1873)
- 933078 *Lacinipolia parvula* (Herrich-Schäffer, 1868)
- 933079 “*Lacinipolia*” *mimula* (Grote, 1883) <sup>584</sup>
- 933080 *Trichocerapoda comstocki* Benjamin, 1932
- 933081 *Trichocerapoda harbisoni* Mustelin, 2006 ‡
- 933082 *Trichocerapoda strigata* (Smith, 1891)
- 933083 *Trichocerapoda oblita* (Grote, 1877)
- 933084 *Trichocerapoda oceanis* Robertson & Mustelin, 2006 ‡
- 933085 *Anhimella perbrunnea* (Grote, 1879)
- 933086 *Anhimella contrahens* (Walker, 1860)
- 933087 *Anhimella pacifica* McDunnough, 1943
- 933088 *Homorthodes furfurata* (Grote, 1875)

- 933089 *Homorthodes lindseyi* (Benjamin, 1922) <sup>585</sup>  
 933090 *Homorthodes communis* (Dyar, 1904)  
 933091 *Homorthodes fractura* (Smith, 1906)  
 933092 *Homorthodes discreta* (Barnes & McDunnough, 1916)  
 933093 *Homorthodes dubia* (Barnes & McDunnough, 1912)  
 933094 *Homorthodes mania* (Strecker, 1899)  
 933095 *Homorthodes rubritincta* McDunnough, 1943  
 933096 *Homorthodes hanhami* (Barnes & McDunnough, 1911)  
 933097 *Homorthodes carneola* McDunnough, 1943  
 933098 *Homorthodes reliqua* (Smith, 1899)  
 933099 *Homorthodes rectiflava* (Smith, 1908)  
 933100 *Homorthodes flosca* (Smith, 1906)  
 933101 *Homorthodes perturba* McDunnough, 1943  
 933102 *Homorthodes gigantoides* (Barnes & McDunnough, 1912)  
 933103 *Protorthodes curtica* (Smith, 1890)  
 933104 *Protorthodes eureka* (Barnes & Benjamin, 1927)  
 933105 *Protorthodes incincta* (Morrison, 1874) <sup>586</sup>  
     syn. *P. utahensis* (Smith, [1888])  
     syn. *P. akalus* (Strecker, 1898)  
     syn. *P. saturnus* (Strecker, 1900)  
     syn. *P. indra* (Smith, 1906)  
     syn. *P. daviesi* (Barnes & Benjamin, 1927)  
 933106 *Protorthodes smithii* (Dyar, 1904)  
 933107 *Protorthodes argentoppida* McDunnough, 1943  
 933108 *Protorthodes perforata* (Grote, 1883)  
 933109 *Protorthodes rufula* (Grote, 1874)  
 933110 *Protorthodes antennata* (Barnes & McDunnough, 1912)  
 933111 *Protorthodes alfkenii* (Grote, 1895)  
 933112 *Protorthodes mulina* (Schaus, 1894)  
 933113 *Protorthodes oviduca* (Guenée, 1852)  
     syn. *P. lindrothi* Krogerus, 1954 <sup>587</sup>  
 933114 *Protorthodes orobia* (Harvey, 1876)  
 933115 *Protorthodes melanopis* (Hampson, 1905)  
 933116 *Protorthodes texana* (Smith, 1900)  
 933117 *Protorthodes variabilis* (Barnes & McDunnough, 1912)  
 933118 *Ulolonche culea* (Guenée, 1852)  
 933119 *Ulolonche consopita* (Grote, 1881)  
 933120 *Ulolonche modesta* (Morrison, 1874)  
 933121 *Ulolonche fasciata* Smith, [1888]  
 933122 *Ulolonche marloffi* (Barnes & Benjamin, 1924)  
 933123 *Ulolonche dilecta* (H. Edwards, 1885)  
 933124 *Ulolonche disticha* (Morrison, 1875)  
 933125 *Ulolonche orbiculata* (Smith, 1891)

- 933126 *Ulolonche niveiguttata* (Grote, 1873)
- 933127 *Hyperepia jugifera* (Dyar, 1920)  
syn. *H. pi* Barnes & Lindsey, 1922 <sup>588</sup>
- 933128 *Pseudorthodes vecors* (Guenée, 1852)
- 933129 *Pseudorthodes calceolaris* (Strecker, 1900)
- 933130 *Pseudorthodes imora* (Strecker, 1898)
- 933131 *Pseudorthodes keela* (Smith, 1908)
- 933132 *Pseudorthodes irrorata* (Smith, [1888])
- 933133 *Pseudorthodes puerilis* (Grote, 1874)
- 933134 *Pseudorthodes virgula* (Grote, 1883)
- 933135 *Pseudorthodes iole* (Schaus, 1894) <sup>589</sup>
- 933136 *Orthodes majuscula* Herrich-Schäffer, 1868  
syn. *O. crenulata* (Butler, 1890) <sup>590</sup>
- 933137 *Orthodes furtiva* McDunnough, 1943
- 933138 *Orthodes cynica* Guenée, 1852
- 933139 *Orthodes adiasola* Franclemont, 1976
- 933140 "*Orthodes*" *bolteri* (Smith, 1900)
- 933141 "*Orthodes*" *goodelli* (Grote, 1875) <sup>591</sup>
- 933142 "*Orthodes*" *obscura* (Smith, [1888]) <sup>591</sup>
- 933143 "*Orthodes*" *noverca* (Grote, 1878) <sup>591</sup>
- 933144 "*Orthodes*" *vauorbicularis* (Smith, 1902) <sup>591</sup>
- 933145 "*Orthodes*" *delecta* Barnes & McDunnough, 1916 <sup>591</sup>
- 933146 "*Orthodes*" *detracta* (Walker, 1857) <sup>591</sup>
- 933147 *Synorthodes auriginea* Franclemont, 1976
- 933148 *Synorthodes typhedana* Franclemont, 1976
- 933149 *Hexorthodes serrata* (Smith, 1900)
- 933150 *Hexorthodes inconspicua* (Grote, 1883)
- 933151 *Hexorthodes jocosa* (Barnes & McDunnough, 1916)
- 933152 "*Hexorthodes*" *agrotiformis* (Grote, 1881) <sup>592</sup>  
syn. "*H.*" *planalis* (Grote, 1883)  
syn. "*H.*" *diplopis* (Dyar, 1914)  
syn. "*H.*" *aleuca* (Draudt, 1924)
- 933153 "*Hexorthodes*" *euxoiformis* (Barnes & McDunnough, 1913)
- 933154 "*Hexorthodes*" *accurata* (H. Edwards, 1882)
- 933155 "*Hexorthodes*" *senatoria* (Smith, 1900)
- 933156 "*Hexorthodes*" *catalina* (Barnes & McDunnough, 1912)
- 933157 "*Hexorthodes*" *citeria* A. Blanchard & Knudson, 1985 ‡
- 933158 "*Hexorthodes*" *emendata* A. Blanchard & Knudson, 1985 ‡
- 933159 "*Hexorthodes*" *tuana* (Smith, 1906) <sup>593</sup>
- 933160 "*Hexorthodes*" *nipana* (Smith, 1910) <sup>593</sup>  
syn. "*H.*" *montara* (Smith, 1910)
- 933161 "*Hyssia*" *degenerans* Dyar, 1914 <sup>594</sup>
- 933162 "*Eriopyga*" *crista* of authors, not (Walker, 1856) <sup>595</sup>

- 933163 *Zosteropoda hirtipes* Grote, 1874
- 933164 *Zosteropoda clementei* Meadows, 1942
- 933165 *Neleucania suavis* (Barnes & McDunnough, 1912)
- 933166 *Neleucania patricia* (Grote, 1880)
- 933167 *Neleucania bicolorata* (Grote, 1881)
- 933168 *Neleucania niveicosta* Smith, 1902
- 933169 *Neleucania praegracilis* (Grote, 1877)
- 933170 *Hypotrix ferricola* (Smith, 1905) <sup>596</sup>
- 933171 *Hypotrix diplogramma* (Schaus, 1903)
- 933172 *Hypotrix parallela* (Grote, 1883)
- 933173 *Hypotrix rubra* Lafontaine, Ferris & Walsh, 2010 ‡
- 933174 *Hypotrix spinosa* (Barnes & McDunnough, 1912) <sup>596</sup>
- 933175 *Hypotrix ocularis* Lafontaine, Ferris & Walsh, 2010 ‡
- 933176 *Hypotrix basistriga* Lafontaine, Ferris & Walsh, 2010 ‡
- 933177 *Hypotrix naglei* Lafontaine, Ferris & Walsh, 2010 ‡
- 933178 *Hypotrix alamosa* (Barnes, 1904) <sup>596</sup>
- 933179 *Hypotrix trifascia* (Smith, 1891)
- 933180 *Hypotrix optima* (Dyar, 1920)
- 933181 *Hypotrix hueco* (Barnes, 1904)
- 933182 *Hypotrix lunata* (Smith, 1906) <sup>596</sup>
- 933183 *Anhypotrix tristis* (Barnes & McDunnough, 1910) <sup>597</sup>
- 933184 *Trichopolia dentatella* Grote, 1883
- 933185 *Trichopolia suspicionis* Barnes & Benjamin, 1920
- 933186 *Trichofeltia circumdata* (Grote, 1883)
- 933187 *Mimobarathra antonito* (Barnes, 1907)
- 933188 *Miodera stigmata* Smith, 1908
- 933189 *Miodera eureka* Barnes & Benjamin, 1927
- 933190 *Fergusonix januaris* Mustelin & Leuschner, 2000 ‡
- 933191 *Engelhardtia ursina* (Smith, 1898)
- 933192 *Tricholita elsinora* (Barnes, 1904)
- 933193 *Tricholita signata* (Walker, 1860)
- 933194 *Tricholita notata* Strecker, 1898
- 933195 *Tricholita baranca* Barnes, 1905
- 933196 *Tricholita knudsoni* Crabo & Lafontaine, 2009 ‡
- 933197 *Tricholita ferrisi* Crabo & Lafontaine, 2009 ‡
- 933198 *Tricholita fistula* Harvey, 1878
- 933199 *Tricholita chipeta* Barnes, 1904
- 933200 *Tricholita bisulca* (Grote, 1881)
- 933201 *Tricholita palmillo* (Barnes, 1907) <sup>598</sup>
- 933202 *Marilopteryx lutina* (Smith, 1902)
- 933203 *Marilopteryx carancahua* A. Blanchard & Franclemont, 1982 ‡
- 933204 *Lophoceramica artega* (Barnes, 1907)
- 933205 *Hydroeciodes juvenilis* (Grote, 1881)



- 933206 *Hydroeciodes repleta* (Bird, 1911)  
 933207 *Hydroeciodes serrata* (Grote, 1880)  
 933208 *Hydroeciodes ochrimacula* (Barnes & McDunnough, 1913)  
 933209 *Hydroeciodes auripurpure* (A. Blanchard, 1968)  
**Tribe Glottulini Guenée, 1852** <sup>527</sup>  
 933210 *Xanthopastis timais* (Cramer, 1782)  
**Tribe Noctuini Latreille, 1809** <sup>599</sup>  
**Subtribe Agrotina Rambur, 1848** <sup>600</sup>  
 933211 *Peridroma saucia* (Hübner, [1808])  
 933212 *Anicla infecta* (Ochsenheimer, 1816)  
 933213 *Anicla cemolia* Franclemont, 1967  
 933214 *Anicla lubricans* (Guenée, 1852) <sup>601</sup>  
 933215 *Anicla sullivanii* Lafontaine, 2004 ‡  
 933216 *Anicla illapsa* (Walker, 1857)  
 933217 *Anicla simplicius* (Morrison, 1874)  
 933218 *Anicla tenuescens* (Smith, 1890)  
 933219 *Anicla digna* (Morrison, 1875)  
 933220 *Anicla biformata* Lafontaine, 2004 ‡  
 933221 *Anicla exuberans* (Smith, 1898)  
     syn. *A. bairdii* (Smith, 1908) <sup>602</sup>  
 933222 *Anicla forbesi* (Franclemont, 1952)  
 933223 *Anicla tepperi* (Smith, [1888])  
 933224 *Anicla espoetia* (Dyar, 1910) <sup>603</sup>  
 933225 *Anicla beata* (Grote, 1883)  
 933226 *Anicla mus* Lafontaine, 2004 ‡  
 933227 *Hemieuxoa rudens* (Harvey, 1875)  
 933228 *Striacosta albicosta* (Smith, [1888]) <sup>604</sup>  
 933229 *Actebia fennica* (Tauscher, 1806) <sup>605</sup>  
 933230 *Actebia balanitis* (Grote, 1873) <sup>606</sup>  
 933231 *Dichagyris grotei* (Franclemont & Todd, 1983) ‡ <sup>607</sup>  
 933232 *Dichagyris acclivis* (Morrison, 1875)  
 933233 *Dichagyris cataclivis* (Dyar, 1910) <sup>608</sup>  
 933234 *Dichagyris proclivis* (Smith, [1888])  
 933235 *Dichagyris neoclivis* (Barnes & Benjamin, 1924)  
 933236 *Dichagyris capota* (Smith, 1908)  
     syn. *D. capnota* (Smith, 1908), misspelling  
 933237 *Dichagyris mizteca* (Schaus, 1894) <sup>608</sup>  
 933238 *Dichagyris timbor* (Dyar, 1919)  
 933239 *Dichagyris pyrsogramma* (Dyar, 1916)  
 933240 *Dichagyris salina* (Barnes, 1904)  
 933241 *Dichagyris arabella* (Dyar, 1901) <sup>608</sup>  
 933242 *Dichagyris socorro* (Barnes, 1904) <sup>609</sup>  
     syn. *D. pampolycala* (Dyar, 1912)

- 933243 *Dichagyris polycala* Lafontaine, 2004 ‡  
 933244 *Dichagyris triphaenoides* (Dyar, 1912)  
 933245 *Dichagyris kyune* (Barnes, 1904)  
 933246 *Dichagyris grandipennis* (Grote, 1883) <sup>607</sup>  
 933247 *Dichagyris lobato* (Barnes, 1904) <sup>607</sup>  
 933248 *Dichagyris madida* (Guenée, 1852) <sup>609</sup>  
     syn. *D. hahama* (Dyar, 1919)  
 933249 *Dichagyris larga* (Smith, 1908)  
 933250 *Dichagyris cymino-pristes* (Dyar, 1912)  
 933251 *Dichagyris variabilis* (Grote, 1874) <sup>607</sup>  
 933252 *Dichagyris ruckesi* Barnes & Benjamin, 1927 <sup>607</sup>  
 933253 *Dichagyris broui* Lafontaine, 2004 ‡  
 933254 *Dichagyris reliqua* Lafontaine & Schweitzer, 2004 ‡  
 933255 *Dichagyris longidens* (Smith, 1890) <sup>607</sup>  
 933256 *Dichagyris dubitata* McDunnough, 1933  
 933257 *Eucoptocnemis fimbriaris* (Guenée, 1852) <sup>610</sup>  
     syn. *E. tripars* (Walker, 1856) <sup>611</sup>  
 933258 *Eucoptocnemis dapsilis* (Grote, 1882)  
 933259 *Eucoptocnemis rufula* Lafontaine, 2004 ‡  
 933260 *Eucoptocnemis elingua* (Smith, 1903) <sup>610</sup>  
 933261 *Eucoptocnemis dollii* (Grote, 1882) <sup>610</sup>  
 933262 *Eucoptocnemis canescens* Lafontaine, 2004 ‡  
 933263 *Richia chortalis* (Harvey, 1875)  
 933264 *Richia parentalis* (Grote, 1879)  
     syn. *R. distichoides* (Grote, 1883) <sup>612</sup>  
 933265 *Richia serano* (Smith, 1910) <sup>613</sup>  
 933266 *Richia herculeana* (Schaus, 1898) <sup>614</sup>  
 933267 *Richia praefixa* (Morrison, 1875) <sup>613</sup>  
     syn. *R. docilis* (Grote, 1881) <sup>612</sup>  
 933268 *Copablepharon longipenne* Grote, 1882  
     ssp. *C. l. longipenne* Grote, 1882  
     ssp. *C. l. serraticornis* A. Blanchard, 1976 <sup>615</sup>  
 933269 *Copablepharon michiganensis* Crabo & Lafontaine, 2004 ‡  
 933270 *Copablepharon gillaspyi* A. Blanchard, 1976  
 933271 *Copablepharon pictum* Fauske & Lafontaine, 2004 ‡  
 933272 *Copablepharon nevada* Crabo & Lafontaine, 2004 ‡  
 933273 *Copablepharon mutans* Crabo & Lafontaine, 2004 ‡  
 933274 *Copablepharon columbia* Crabo & Lafontaine, 2004 ‡  
 933275 *Copablepharon alaskensis* Crabo & Lafontaine, 2004 ‡  
 933276 *Copablepharon serrata* McDunnough, 1932  
 933277 *Copablepharon mustelini* Crabo & Lafontaine, 2004 ‡  
 933278 *Copablepharon serratigrande* Lafontaine, 2004 ‡

- 933279 *Copablepharon albisericea* A. Blanchard, 1976
- 933280 *Copablepharon spiritum* Crabo & Fauske, 2004 ‡
- 933281 *Copablepharon flavum* Fauske & Lafontaine, 2004 ‡
- 933282 *Copablepharon canariana* McDunnough, 1932  
ssp. *C. c. canariana* McDunnough, 1932  
ssp. *C. c. contrasa* McDunnough, 1932 <sup>615</sup>
- 933283 *Copablepharon grandis* (Strecker, 1878)
- 933284 *Copablepharon sanctaemonicae* Dyar, 1904
- 933285 *Copablepharon opleri* Lafontaine, 2004 ‡
- 933286 *Copablepharon absidum* (Harvey, 1875)
- 933287 *Copablepharon fuscum* Troubridge & Crabo, 1996 ‡
- 933288 *Copablepharon atrinotum* Crabo & Lafontaine, 2004 ‡
- 933289 *Copablepharon viridisparsa* Dod, 1916  
ssp. *C. v. viridisparsa* Dod, 1916  
ssp. *C. v. hopfingeri* Franclemont, 1954 <sup>615</sup>  
ssp. *C. v. ravum* Crabo & Lafontaine, 2004 ‡  
ssp. *C. v. gilvum* Crabo & Lafontaine, 2004 ‡
- 933290 *Copablepharon robertsoni* Crabo & Lafontaine, 2004 ‡
- 933291 *Protogygia comstocki* McDunnough, 1934
- 933292 *Protogygia enalaga* McDunnough, 1932
- 933293 *Protogygia lagna* (Grote, 1875)
- 933294 *Protogygia postera* Fauske & Lafontaine, 2004 ‡
- 933295 *Protogygia rufescens* Fauske & Lafontaine, 2004 ‡
- 933296 *Protogygia querula* (Dod, 1915)  
syn. *P. epipsilioides* (Barnes & Benjamin, 1926) <sup>616</sup>
- 933297 *Protogygia elevata* (Smith, 1891)
- 933298 *Protogygia arena* Troubridge & Lafontaine, 2004 ‡
- 933299 *Protogygia alberta* Troubridge & Lafontaine, 2004 ‡
- 933300 *Protogygia album* (Harvey, 1876) <sup>617</sup>
- 933301 *Protogygia pallida* Fauske & Lafontaine, 2004 ‡
- 933302 *Protogygia polingi* (Barnes & Benjamin, 1922)
- 933303 *Protogygia pectinata* Lafontaine, 2004 ‡
- 933304 *Protogygia whitesandsensis* Metzler & Forbes, 2009 ‡
- 933305 *Protogygia biclavis* (Grote, 1879)
- 933306 *Protogygia milleri* (Grote, 1876)
- 933307 *Euxoa bochus* (Morrison, 1874) <sup>618</sup>  
syn. *E. brocha*, misspelling
- 933308 *Euxoa adumbrata* (Eversmann, 1842) <sup>619</sup>  
ssp. *E. a. drewseni* (Staudinger, 1857)  
ssp. *E. a. thantologia* (Dyar, 1904)
- 933309 *Euxoa auxiliaris* (Grote, 1873)
- 933310 *Euxoa inconcinna* (Harvey, 1875)
- 933311 *Euxoa terrealis* (Grote, 1883)

- 933312 *Euxoa shasta* Lafontaine, 1975  
 ssp. *E. s. shasta* Lafontaine, 1975  
 ssp. *E. s. condita* Lafontaine, 1975 <sup>620</sup>
- 933313 *Euxoa biformata* Smith, 1910
- 933314 *Euxoa intermontana* Lafontaine, 1975
- 933315 *Euxoa mimallonis* (Grote, 1873)
- 933316 *Euxoa vernalis* Lafontaine, 1976
- 933317 *Euxoa septentrionalis* (Walker, 1865)
- 933318 *Euxoa olivia* (Morrison, 1876)
- 933319 *Euxoa messoria* (Harris, 1841)
- 933320 *Euxoa divergens* (Walker, [1857])
- 933321 *Euxoa sinelinea* Hardwick, 1965
- 933322 *Euxoa edictalis* (Smith, 1893)
- 933323 *Euxoa westermanni* (Staudinger, 1857)
- 933324 *Euxoa churchillensis* (McDunnough, 1932)
- 933325 *Euxoa muldersi* Lafontaine & Hensel, 2010 ‡
- 933326 *Euxoa dissona* (Möschler, 1860)
- 933327 *Euxoa hyperborea* Lafontaine, 1987 ‡
- 933328 *Euxoa quebecensis* (Smith, 1900)
- 933329 *Euxoa scandens* (Riley, 1869)
- 933330 *Euxoa aurulenta* (Smith, [1888])
- 933331 *Euxoa vallus* (Smith, 1900)  
 ssp. *E. v. vallus* (Smith, 1900)  
 ssp. *E. v. luteosita* (Smith, 1900) <sup>621</sup>  
 ssp. *E. v. bivittata* Lafontaine, 1987 ‡
- 933332 *Euxoa macleani* McDunnough, 1927
- 933333 *Euxoa apopsis* Troubridge & Lafontaine, 2010 ‡
- 933334 *Euxoa chimoensis* Hardwick, 1966 <sup>622</sup>
- 933335 *Euxoa trifasciata* (Smith, [1888])
- 933336 *Euxoa lewisi* (Grote, 1873)  
 ssp. *E. l. lewisi* (Grote, 1873)  
 ssp. *E. l. julia* Hardwick, 1968 <sup>623</sup>
- 933337 *Euxoa altens* McDunnough, 1946
- 933338 *Euxoa austrina* Hardwick, 1968
- 933339 *Euxoa cryptica* Hardwick, 1968
- 933340 *Euxoa leuschneri* Lafontaine, 1987 ‡
- 933341 *Euxoa extranea* (Smith, [1888])
- 933342 *Euxoa tristicula* (Morrison, 1876)
- 933343 *Euxoa vetusta* (Walker, 1865)
- 933344 *Euxoa fuscigerus* (Grote, 1874)
- 933345 *Euxoa atomaris* (Smith, 1890)
- 933346 *Euxoa pleuritica* (Grote, 1876)
- 933347 *Euxoa pestula* Smith, 1904

- 933348 *Euxoa simona* McDunnough, 1932
- 933349 *Euxoa hardwicki* Lafontaine, 1987 ‡
- 933350 *Euxoa camalpa* (Dyar, 1912)
- 933351 *Euxoa maderensis* Lafontaine, 1976
- 933352 *Euxoa serotina* Lafontaine, 1976
- 933353 *Euxoa bostoniensis* (Grote, 1874)
- 933354 *Euxoa medialis* (Smith, [1888])
- 933355 *Euxoa bifasciata* (Smith, [1888])
- 933356 *Euxoa perexcellens* (Grote, 1875)
- 933357 *Euxoa sculptilis* (Harvey, 1875)
- 933358 *Euxoa ustulata* Lafontaine, 1976
- 933359 *Euxoa rufula* (Smith, [1888])
- 933360 *Euxoa intrita* (Morrison, 1874)
- 933361 *Euxoa annulipes* (Smith, 1890)
- 933362 *Euxoa emma* L. G. Crabo & A. Crabo, 2007 ‡
- 933363 *Euxoa oncocnemoides* (Barnes & Benjamin, 1927) <sup>624</sup>
- 933364 *Euxoa scholastica* McDunnough, 1920
- 933365 *Euxoa terrenus* (Smith, 1900)
- 933366 *Euxoa antica* Lafontaine, 1974
- 933367 *Euxoa franclemonti* Lafontaine, 1987 ‡
- 933368 *Euxoa absona* Lafontaine, 1987 ‡
- 933369 *Euxoa serricornis* (Smith, [1888])
- 933370 *Euxoa tocoyae* (Smith, 1900)
- 933371 *Euxoa scotogrammoides* McDunnough, 1932
- 933372 *Euxoa pluralis* (Grote, 1878)
- 933373 *Euxoa cinnabarina* Barnes & McDunnough, 1918
- 933374 *Euxoa permixta* McDunnough, 1940
- 933375 *Euxoa setonia* McDunnough, 1927
- 933376 *Euxoa pallidimacula* Lafontaine, 1987 ‡
- 933377 *Euxoa mojave* Lafontaine, 1987 ‡
- 933378 *Euxoa declarata* (Walker, 1865)
- 933379 *Euxoa campestris* (Grote, 1875)
- 933380 *Euxoa rockburnei* Hardwick, 1973
- 933381 *Euxoa flavidens* (Smith, [1888])
- 933382 *Euxoa silens* (Grote, 1875)
- 933383 *Euxoa pimensis* Barnes & McDunnough, 1910
- 933384 *Euxoa immixta* (Grote, 1881)
- 933385 *Euxoa simulata* McDunnough, 1946
- 933386 *Euxoa lafontainei* Metzler & Forbes, 2009 ‡
- 933387 *Euxoa punctigera* (Walker, 1865)
- 933388 *Euxoa cana* Lafontaine, 1975
- 933389 *Euxoa aurantiaca* Lafontaine, 1975
- 933390 *Euxoa stygialis* Barnes & McDunnough, 1912
- 933391 *Euxoa stigmatalis* (Smith, 1900)



- 933392 *Euxoa spumata* McDunnough, 1940  
 933393 *Euxoa pallipennis* (Smith, [1888])  
 933394 *Euxoa baja* Lafontaine, 1987 ‡  
 933395 *Euxoa tessellata* (Harris, 1841)  
 933396 *Euxoa plagigera* (Morrison, 1874)  
 933397 *Euxoa albipennis* (Grote, 1876)  
 933398 *Euxoa henrietta* (Smith, 1900)  
 933399 *Euxoa cincta* Barnes & Benjamin, 1924  
 933400 *Euxoa coconino* Lafontaine, 1987 ‡  
 933401 *Euxoa hollemani* (Grote, 1874)  
     syn. *E. andera* Smith, 1910 <sup>625</sup>  
 933402 *Euxoa subandera* Lafontaine, 1987 ‡  
 933403 *Euxoa xasta* Barnes & McDunnough, 1910  
 933404 *Euxoa catenula* (Grote, 1879)  
 933405 *Euxoa comosa* (Morrison, 1876)  
     syn. *E. incallida* (Smith, 1890) <sup>625</sup>  
 933406 *Euxoa lineifrons* (Smith, 1890)  
 933407 *Euxoa guadalupensis* Lafontaine & Byers, 1982 ‡  
 933408 *Euxoa lucida* Barnes & McDunnough, 1912  
 933409 *Euxoa fumalis* (Grote, 1873)  
 933410 *Euxoa occidentalis* Lafontaine & Byers, 1982 ‡  
 933411 *Euxoa velleripennis* (Grote, 1874)  
 933412 *Euxoa infausta* (Walker, 1865)  
 933413 *Euxoa satis* (Harvey, 1876)  
 933414 *Euxoa faulkneri* Mustelin, 2000 ‡  
 933415 *Euxoa brunneigera* (Grote, 1876)  
     syn. *E. loya* (Smith, 1900) <sup>625</sup>  
 933416 *Euxoa excogita* (Smith, 1900) <sup>626</sup>  
 933417 *Euxoa bicollaris* (Grote, 1878)  
 933418 *Euxoa inyoca* Benjamin, 1936  
 933419 *Euxoa selenis* (Smith, 1900)  
 933420 *Euxoa piniae* Buckett & Bauer, 1964  
 933421 *Euxoa satiens* (Smith, 1890)  
 933422 *Euxoa violaris* (Grote & Robinson, 1868)  
 933423 *Euxoa cursoria* (Hufnagel, 1766)  
     ssp. *E. c. wirima* Hardwick, 1965 <sup>627</sup>  
 933424 *Euxoa ochrogaster* (Guenée, 1852)  
 933425 *Euxoa nostra* (Smith, 1890)  
 933426 *Euxoa siccata* (Smith, 1893)  
 933427 *Euxoa choris* (Harvey, 1876)  
 933428 *Euxoa obeliscoides* (Guenée, 1852)  
 933429 *Euxoa oberfoelli* Hardwick, 1973  
 933430 *Euxoa lillooet* McDunnough, 1927  
 933431 *Euxoa basalis* (Grote, 1879)

- 933432 *Euxoa costata* (Grote, 1876)
- 933433 *Euxoa castanea* Lafontaine, 1981 ‡
- 933434 *Euxoa foeminalis* (Smith, 1900)
- 933435 *Euxoa idahoensis* (Grote, 1878)
- 933436 *Euxoa furtivus* (Smith, 1890) <sup>628</sup>
- 933437 *Euxoa clausa* McDunnough, 1923
- 933438 *Euxoa brevipennis* (Smith, [1888])
- 933439 *Euxoa servitus* (Smith, 1895)
- 933440 *Euxoa redimicula* (Morrison, 1874)
- 933441 *Euxoa auripennis* Lafontaine, 1974  
syn. *E. arizonensis* Lafontaine, 1974 <sup>629</sup>
- 933442 *Euxoa olivalis* (Grote, 1879)
- 933443 *Euxoa agema* (Strecker, 1899)
- 933444 *Euxoa oblongistigma* (Smith, [1888])
- 933445 *Euxoa citricolor* (Grote, 1880)
- 933446 *Euxoa tronellus* (Smith, 1903)
- 933447 *Euxoa teleboa* (Smith, 1890)
- 933448 *Euxoa difformis* (Smith, 1900)  
syn. *E. mercedes* Barnes & McDunnough, 1912 <sup>629</sup>
- 933449 *Euxoa moerens* (Grote, 1883)
- 933450 *Euxoa latro* (Barnes & Benjamin, 1927)
- 933451 *Euxoa murdocki* (Smith, 1890)
- 933452 *Euxoa dodi* McDunnough, 1923
- 933453 *Euxoa infracta* (Morrison, 1875)
- 933454 *Euxoa laetificans* (Smith, 1894)
- 933455 *Euxoa quadridentata* (Grote & Robinson, 1865)
- 933456 *Euxoa inscripta* Lafontaine, 1981 ‡
- 933457 *Euxoa unica* McDunnough, 1940
- 933458 *Euxoa niveilinea* (Grote, 1882)
- 933459 *Euxoa dargo* (Strecker, 1898)
- 933460 *Euxoa melura* McDunnough, 1932
- 933461 *Euxoa detera* (Walker, 1856)
- 933462 *Euxoa cicatricosa* (Grote & Robinson, 1865)
- 933463 *Euxoa reclusa* (Harvey, 1876)
- 933464 *Euxoa aequalis* (Harvey, 1876) <sup>630</sup>  
ssp. *E. a. aequalis* (Harvey, 1876)  
ssp. *E. a. acornis* (Smith, 1895)  
ssp. *E. a. alko* (Strecker, 1899)  
ssp. *E. a. yukonensis* Lafontaine, 1987 ‡
- 933465 *Euxoa conjuncta* (Smith, 1890)
- 933466 *Euxoa cona* (Strecker, 1898)
- 933467 *Euxoa munis* (Grote, 1879)
- 933468 *Euxoa misturata* (Smith, 1890)
- 933469 *Euxoa melana* Lafontaine, 1975

- 933470 *Euxoa atristrigata* (Smith, 1890)  
 933471 *Euxoa nevada* (Smith, 1900)  
 933472 *Euxoa cinereopallidus* (Smith, 1903)  
 933473 *Euxoa mitis* (Smith, 1894)  
 933474 *Euxoa luctuosa* Lafontaine, 1976  
 933475 *Euxoa aberrans* McDunnough, 1932  
 933476 *Euxoa nomas* (Erschov, 1874)  
     syn. *E. incognita* (Smith, 1893) <sup>631</sup>  
 933477 *Euxoa macrodentata* Hardwick, 1965  
 933478 *Euxoa manitobana* McDunnough, 1925  
 933479 *Euxoa montana* (Morrison, 1875)  
 933480 *Euxoa perolivalis* (Smith, 1905)  
 933481 *Euxoa perpolita* (Morrison, 1876)  
 933482 *Euxoa taura* Smith, 1905  
     syn. *E. cooki* McDunnough, 1925 <sup>631</sup>  
 933483 *Euxoa flavicollis* (Smith, [1888])  
 933484 *Euxoa maimes* (Smith, 1903) <sup>632</sup>  
 933485 *Euxoa ridingsiana* (Grote, 1875)  
 933486 *Euxoa wilsoni* (Grote, 1873)  
 933487 *Euxoa riversii* (Dyar, 1903)  
 933488 *Feltia mollis* (Walker, [1857]) <sup>633</sup>  
 933489 *Feltia nigrita* (Graeser, 1892)  
     syn. *F. acarnea* (Smith, 1905) <sup>634</sup>  
 933490 *Feltia woodiana* (Lafontaine, 1986) ‡  
 933491 *Feltia troubridgei* Lafontaine, 2004 ‡  
 933492 *Feltia boreana* (Lafontaine, 1986) ‡  
 933493 *Feltia beringiana* (Lafontaine & Kononenko, 1986) ‡  
 933494 *Feltia manifesta* (Morrison, 1875)  
 933495 *Feltia geniculata* (Grote & Robinson, 1868)  
 933496 *Feltia floridensis* Lafontaine, 2004 ‡  
 933497 *Feltia austrina* (Lafontaine, 1986) ‡  
 933498 *Feltia jaculifera* (Guenée, 1852) <sup>635</sup>  
     syn. *F. edentata* Smith, 1902  
     syn. *F. hudsoni* Smith, 1903  
 933499 *Feltia inyoca* Lafontaine, 2004 ‡  
 933500 *Feltia evanidalis* (Grote, 1878) <sup>635</sup>  
     syn. *F. californiae* McDunnough, 1939  
 933501 *Feltia subgothica* (Haworth, 1809)  
 933502 *Feltia tricola* (Lintner, 1874) <sup>635</sup>  
     syn. *F. pectinicornis* Smith, 1890  
     syn. *F. subpallida* McDunnough, 1932  
 933503 *Feltia herilis* (Grote, 1873)  
 933504 *Feltia subterranea* (Fabricius, 1794) <sup>636</sup>

- 933505 *Feltia repleta* (Walker, 1857) <sup>636</sup>
- 933506 *Agrotis vetusta* (Walker, 1856)
- 933507 *Agrotis daedalus* (Smith, 1890)
- 933508 *Agrotis striata* Lafontaine, 2004 ‡
- 933509 *Agrotis rileyana* Morrison, 1874 <sup>637</sup>
- 933510 *Agrotis ruta* (Eversmann, 1851)  
syn. *A. patula* Walker, 1857 <sup>638</sup>
- 933511 *Agrotis longicornis* Lafontaine & Troubridge, 2004 ‡
- 933512 *Agrotis orthogonia* Morrison, 1876  
syn. *A. orthogonoides* McDunnough, 1946 <sup>638</sup>
- 933513 *Agrotis kingi* McDunnough, 1932
- 933514 *Agrotis robustior* (Smith, 1899)
- 933515 *Agrotis gladiaria* Morrison, 1874
- 933516 *Agrotis venerabilis* Walker, [1857]
- 933517 *Agrotis vancouverensis* Grote, 1873  
syn. *A. aeneipennis* Grote, 1876 <sup>638</sup>  
syn. *A. atha* Strecker, 1898 <sup>638</sup>
- 933518 *Agrotis gravis* Grote, 1874
- 933519 *Agrotis stigmata* Morrison, 1874
- 933520 *Agrotis arenarius* Neil, 1983 ‡
- 933521 *Agrotis volubilis* Harvey, 1874
- 933522 *Agrotis obliqua* (Smith, 1903)  
syn. *A. musa* (Smith, 1910) <sup>638</sup>
- 933523 *Agrotis antica* Crabo & Lafontaine, 2004 ‡
- 933524 *Agrotis buchholzi* (Barnes & Benjamin, 1929)  
syn. *A. carolina* Schweitzer & McCabe, 2004 ‡ <sup>639</sup>
- 933525 *Agrotis haesitans* Walker, [1857]
- 933526 *Agrotis malefida* Guenée, 1852
- 933527 *Agrotis apicalis* Herrich-Schäffer, 1868
- 933528 *Agrotis ipsilon* (Hufnagel, 1766)  
**Subtribe Noctuina Latreille, 1809** <sup>640</sup>
- 933529 *Ochropleura implecta* Lafontaine, 1998 ‡
- 933530 *Diarsia esurialis* (Grote, 1881)
- 933531 *Diarsia calgary* (Smith, 1898)
- 933532 *Diarsia dislocata* (Smith, 1904)
- 933533 *Diarsia jucunda* (Walker, [1857])
- 933534 *Diarsia rubifera* (Grote, 1875)
- 933535 *Diarsia rosaria* (Grote, 1878)  
ssp. *D. r. rosaria* (Grote, 1878)  
ssp. *D. r. freemani* Hardwick, 1950 <sup>641</sup>
- 933536 *Cerastis tenebrifera* (Walker, 1865)
- 933537 *Cerastis fishii* (Grote, 1878) <sup>642</sup>
- 933538 *Cerastis cornuta* (Grote, 1874)

- 933539 *Cerastis robertsoni* Lafontaine & Crabo, 1997 ‡
- 933540 *Cerastis enigmatica* Lafontaine & Crabo, 1997 ‡
- 933541 *Cerastis gloriosa* Crabo & Lafontaine, 1997 ‡
- 933542 *Cerastis salicarum* (Walker, 1857)
- 933543 *Choephora fungorum* Grote & Robinson, 1868
- 933544 *Paradiarsia littoralis* (Packard, 1867)
- 933545 *Hemipachnobia subporphyrea* (Walker, 1858) <sup>643</sup>
- 933546 *Hemipachnobia monochromatea* (Morrison, 1874) <sup>643</sup>
- 933547 *Lycophotia phyllophora* (Grote, 1874) <sup>644</sup>
- 933548 *Rhyacia quadrangula* (Zetterstedt, 1839)
- 933549 *Rhyacia clemens* (Smith, 1890) <sup>645</sup>
- 933550 *Chersotis juncta* (Grote, 1878)
- 933551 *Noctua pronuba* (Linnaeus, 1758) <sup>646</sup>
- 933552 *Noctua comes* Hübner, [1813] <sup>647</sup>
- 933553 *Cryptocala acadiensis* (Bethune, 1870)
- 933554 *Spaelotis clandestina* (Harris, 1841)
- 933555 *Spaelotis bicava* Lafontaine, 1998 ‡
- 933556 *Spaelotis unicava* Lafontaine, 1998 ‡
- 933557 *Spaelotis havilae* (Grote, 1881)
- 933558 *Spaelotis velicava* Lafontaine, 1998 ‡
- 933559 *Spaelotis quadricava* Lafontaine, 1998 ‡
- 933560 *Eurois occulta* (Linnaeus, 1758)
- 933561 *Eurois astricta* Morrison, 1874
- 933562 *Eurois nigra* (Smith, 1892)
- 933563 *Graphiphora augur* (Fabricius, 1775)  
syn. *G. haruspica* (Grote, 1875) <sup>648</sup>
- 933564 *Anaplectoides prasina* ([Denis & Schiffermüller], 1775)
- 933565 *Anaplectoides pressus* (Grote, 1874)
- 933566 *Anaplectoides brunneomedia* McDunnough, 1946
- 933567 *Aplectoides condita* (Guenée, 1852)
- 933568 *Eueretagrotis sigmoides* (Guenée, 1852)
- 933569 *Eueretagrotis perattentus* (Grote, 1876)
- 933570 *Eueretagrotis attentus* (Grote, 1874)
- 933571 *Xestia xanthographa* ([Denis & Schiffermüller], 1775)  
syn. *X. trumani* (Smith, 1903) <sup>649</sup>
- 933572 *Xestia smithii* (Snellen, 1896)
- 933573 *Xestia normanianus* (Grote, 1874)
- 933574 *Xestia conchis* (Grote, 1879)
- 933575 *Xestia oblata* (Morrison, 1875)
- 933576 *Xestia cinerascens* (Smith, 1891)
- 933577 *Xestia plebeia* (Smith, 1898) <sup>650</sup>
- 933578 *Xestia mustelina* (Smith, 1900)
- 933579 *Xestia vernilis* (Grote, 1879) <sup>651</sup>



- 933580 *Xestia verniloides* Lafontaine, 1998 ‡
- 933581 *Xestia infimatis* (Grote, 1880)
- 933582 *Xestia finatimis* Lafontaine, 1998 ‡
- 933583 *Xestia elimata* (Guenée, 1852)
- 933584 *Xestia badicollis* (Grote, 1873)
- 933585 *Xestia praevia* Lafontaine, 1998 ‡
- 933586 *Xestia dilucida* (Morrison, 1875)  
syn. *X. youngii* (Smith, 1902) <sup>652</sup>
- 933587 *Xestia bolteri* (Smith, 1898)
- 933588 *Xestia c-nigrum* (Linnaeus, 1758)  
syn. *X. adela* Franclemont, 1980 <sup>653</sup>
- 933589 *Xestia dolosa* Franclemont, 1980
- 933590 *Xestia wockei* (Möschler, 1862) <sup>654</sup>
- 933591 *Xestia scropulana* (Morrison, 1874)
- 933592 *Xestia staudingeri* (Möschler, 1862) <sup>655</sup>
- 933593 *Xestia inuitica* Lafontaine & Hensel, 1998 ‡
- 933594 *Xestia colorado* (Smith, 1891)
- 933595 *Xestia maculata* (Smith, 1893)
- 933596 *Xestia speciosa* (Hübner, [1813]) <sup>656</sup>  
ssp. *X. s. aklavikensis* (Benjamin, 1933) <sup>657</sup>  
ssp. *X. s. apropritia* (Benjamin, 1933)
- 933597 *Xestia mixta* (Walker, 1856) <sup>658</sup>
- 933598 *Xestia imperita* (Hübner, [1831])
- 933599 *Xestia albuncula* (Eversmann, 1851) <sup>659</sup>
- 933600 *Xestia atrata* (Morrison, 1874) <sup>660</sup>  
ssp. *X. a. atrata* (Morrison, 1874)  
ssp. *X. a. yukona* (McDunnough, 1921)
- 933601 *Xestia ursae* (McDunnough, 1940) <sup>661</sup>
- 933602 *Xestia tecta* (Hübner, [1808]) <sup>656</sup>  
ssp. *X. t. tecta* (Hübner, [1808]) <sup>660</sup>  
ssp. *X. t. tectoides* (Corti, 1926)
- 933603 *Xestia kolymae* (Herz, 1903) <sup>659</sup>
- 933604 *Xestia okakensis* (Packard, 1867) <sup>660</sup>  
ssp. *X. o. okakensis* (Packard, 1867)  
ssp. *X. o. morandi* (Benjamin, 1934)
- 933605 *Xestia lorezi* (Staudinger, 1891) <sup>660</sup>  
ssp. *X. l. ogilviana* Lafontaine, 1987 ‡
- 933606 *Xestia perquiritata* (Morrison, 1874) <sup>662</sup>  
ssp. *X. p. perquiritata* (Morrison, 1874)  
ssp. *X. p. partita* (McDunnough, 1921)
- 933607 *Xestia fabulosa* (Ferguson, 1965)
- 933608 *Xestia homogena* (McDunnough, 1921) <sup>662</sup>  
ssp. *X. h. homogena* (McDunnough, 1921)

- ssp. *X. h. conditoides* (Benjamin, 1933)
- 933609 *Xestia intermedia* (Kononenko, 1981) ‡<sup>663</sup>
- 933610 *Xestia thula* Lafontaine & Kononenko, 1983 ‡
- 933611 *Xestia alaskae* (Grote, 1876)<sup>664</sup>
- 933612 *Xestia aequaeva* (Benjamin, 1934)<sup>665</sup>  
 ssp. *X. a. aequaeva* (Benjamin, 1934)  
 ssp. *X. a. glaucina* Lafontaine & Mikkola, 1996 ‡
- 933613 *Xestia quieta* (Hübner, [1813])<sup>666</sup>
- 933614 *Xestia bryanti* (Benjamin, 1933)<sup>667</sup>  
 syn. *X. acraea* (Benjamin, 1934)
- 933615 *Xestia lyngei* (Rebel, 1923)<sup>663</sup>
- 933616 *Xestia woodi* Lafontaine & Kononenko, 1983 ‡
- 933617 *Xestia fergusonii* Lafontaine, 1983 ‡
- 933618 *Xestia liquidaria* (Eversmann, 1848)<sup>668</sup>  
 syn. *X. fasciata* (Skinner, 1902)
- 933619 *Xestia lupa* Lafontaine & Mikkola, 1998 ‡  
 syn. *X. laetabilis* of authors, not (Zetterstedt, 1839)
- 933620 *Xestia laxa* Lafontaine & Mikkola, 1998 ‡
- 933621 *Parabarrovia keelei* Gibson, 1920
- 933622 *Parabarrovia omilaki* Lafontaine, 1998 ‡
- 933623 *Parabarrovia ogilviensis* Lafontaine, 1988 ‡
- 933624 *Coenophila opacifrons* (Grote, 1878)<sup>669</sup>  
 syn. *C. subrosea* of authors, not (Stephens, 1829)
- 933625 *Prognorisma substrigata* (Smith, 1895)<sup>670</sup>
- 933626 *Agnorisma badinodis* (Grote, 1874)<sup>670</sup>  
 syn. *A. hero* (Morrison, 1876)<sup>671</sup>
- 933627 *Agnorisma bugrai* (Koçak, 1983) ‡<sup>672</sup>  
 syn. *A. collaris* (Grote & Robinson, 1868), homonym
- 933628 *Agnorisma bollii* (Grote, 1881)
- 933629 *Pseudohermonassa bicarnea* (Guenée, 1852)<sup>673</sup>
- 933630 *Pseudohermonassa tenuicula* (Morrison, 1874)
- 933631 *Pseudohermonassa flavotincta* (Smith, 1892)
- 933632 *Pseudohermonassa ononensis* (Bremer, 1861)  
 syn. *P. scaramangoides* (Barnes & Benjamin, 1926)<sup>674</sup>
- 933633 *Setagrotis pallidicollis* (Grote, 1880)<sup>675</sup>  
 syn. *S. planifrons* (Smith, 1890)
- 933634 *Setagrotis vocalis* (Grote, 1879)  
 syn. *S. cinereicollis* (Grote, 1876), homonym
- 933635 *Setagrotis radiola* (Hampson, 1903)  
 syn. *S. radiatus* (Smith, 1900)
- 933636 *Tesagrotis atrifrons* (Grote, 1873)<sup>676</sup>
- 933637 *Tesagrotis piscipellis* (Grote, 1878)
- 933638 *Tesagrotis corrodera* (Smith, 1907)<sup>677</sup>

- 933639 *Tesagrotis amia* (Dyar, 1903) <sup>677</sup>  
syn. *T. fortiter* (Barnes & McDunnough, 1918)
- 933640 *Adelphagrotis stellaris* (Grote, 1880)  
syn. *A. quarta* (Grote, 1881) <sup>678</sup>
- 933641 *Adelphagrotis indeterminata* (Walker, 1865)
- 933642 *Adelphagrotis carissima* (Harvey, 1875) <sup>679</sup>
- 933643 *Parabagrotis formalis* (Grote, 1874) <sup>680</sup>
- 933644 *Parabagrotis insularis* (Grote, 1876)
- 933645 *Parabagrotis cupidissima* (Grote, 1875)
- 933646 *Parabagrotis exsertistigma* (Morrison, 1874) <sup>681</sup>  
syn. *P. exsertistigma* of authors
- 933647 *Parabagrotis sulinaris* Lafontaine, 1998 ‡
- 933648 *Protolampra rufipectus* (Morrison, 1875)
- 933649 *Protolampra brunneicollis* (Grote, 1865)
- 933650 *Abagrotis erratica* (Smith, 1890)
- 933651 *Abagrotis kirkwoodi* Buckett, 1968
- 933652 *Abagrotis alcandola* (Smith, 1908)
- 933653 *Abagrotis trigona* (Smith, 1893)
- 933654 *Abagrotis apposita* (Grote, 1878)
- 933655 *Abagrotis vittifrons* (Grote, 1864)
- 933656 *Abagrotis bimarginalis* (Grote, 1883)
- 933657 *Abagrotis mirabilis* (Grote, 1879)
- 933658 *Abagrotis rubricundis* Buckett, 1968
- 933659 *Abagrotis glenni* Buckett, 1968
- 933660 *Abagrotis hennei* Buckett, 1968
- 933661 *Abagrotis striata* Buckett, 1968
- 933662 *Abagrotis pulchrata* (Blackmore, 1925)
- 933663 *Abagrotis nefascia* (Smith, 1908)  
syn. *A. crumbi* Franclemont, 1955 <sup>682</sup>
- 933664 *Abagrotis reedi* Buckett, 1969
- 933665 *Abagrotis duanca* (Smith, 1908)
- 933666 *Abagrotis nanalis* (Grote, 1881)
- 933667 *Abagrotis discoidalis* (Grote, 1876)
- 933668 *Abagrotis turbulenta* McDunnough, 1927
- 933669 *Abagrotis hermina* Lafontaine, 1998 ‡
- 933670 *Abagrotis dodi* McDunnough, 1927
- 933671 *Abagrotis dickeli* Lafontaine, 1998 ‡
- 933672 *Abagrotis placida* (Grote, 1876)
- 933673 *Abagrotis alampeta* Franclemont, 1967
- 933674 *Abagrotis petalama* Lafontaine, 1998 ‡
- 933675 *Abagrotis denticulata* McDunnough, 1946
- 933676 *Abagrotis orbis* (Grote, 1876)  
syn. *A. barnesi* (Benjamin, 1921) <sup>682</sup>

- 933677 *Abagrotis baueri* McDunnough, 1949  
933678 *Abagrotis variata* (Grote, 1876)  
933679 *Abagrotis scopeops* (Dyar, 1904)  
syn. *A. tecatensis* Buckett, 1968 <sup>682</sup>  
933680 *Abagrotis alternata* (Grote, 1864)  
933681 *Abagrotis mexicana* Lafontaine, 1998 ‡  
933682 *Abagrotis forbesi* (Benjamin, 1921) <sup>683</sup>  
syn. *A. nefascia* of authors, not (Smith, 1908)  
933683 *Abagrotis brunneipennis* (Grote, 1875) <sup>684</sup>  
933684 *Abagrotis cryptica* Lafontaine, 1998 ‡  
933685 *Abagrotis cupida* (Grote, 1865)  
933686 *Abagrotis magnicupida* Lafontaine, 1998 ‡  
933687 *Abagrotis belfragei* (Smith, 1890)  
933688 *Abagrotis anchocelioides* (Guenée, 1852)  
933689 *Pronoctua typica* Smith, 1894  
933690 *Pronoctua pyrophiloides* (Harvey, 1876)  
933691 *Pronoctua peabodyae* (Dyar, 1903) <sup>685</sup>  
933692 *Pronoctua craboi* Lafontaine, 1998 ‡  
933693 *Isochlora sericea* (Lafontaine & Kononenko, 1996) ‡ <sup>686</sup>

## Notes

The names of genera and species that are discussed in the Notes but that do not appear in the check list are highlighted in **bold** (except for entry headings) and included in the index.

Generic synonymies where multiple new combinations were created are noted and discussed in association with the first species in the list where the former genus had been used. For example, the synonymy of the genus *Bomolocha* with *Hypena* by Poole (1989) resulted in six new combinations (Note 48), which is referenced after *Hypena manalis*, the first species listed that had formerly been in *Bomolocha*.

Authors' names and dates for scientific names are separated by a comma to follow the recommendation of the ICZN; the comma is omitted from literature references. Generic names within the notes in bold font do not appear in the check list, being either synonyms or subgenera.

- 1 **Superfamily Noctuoidea** - Classification adapted from Fibiger and Lafontaine (2005) and Lafontaine and Fibiger (2006) with family delimitations derived from Zahiri et al. (2010).
- 2 **Family Doidae** - Recent molecular work on the family Doidae suggests that they might not be correctly associated with the Noctuoidea (Regier et al. 2009; Zahiri et al. 2010). The family is retained here until further information on their classification is available.
- 3 **Family Notodontidae** - Classification adapted from Miller (1991).
- 4 ***Pheosia portlandia*** - This taxon was previously treated as a distinct species, replacing *P. rimosa* in Pacific coastal forests. DNA barcode haplotypes of Washington and British Columbia *P. portlandia* are entirely or nearly identical to typical *P. rimosa* from B.C. and Alberta, and there are no differences in genitalic structure. Intermediate phenotypes occur across a large geographic area from central British Columbia to central Washington. We therefore treat *P. portlandia*, **syn. n.** as a coastal forest ecophenotype of *P. rimosa*.
- 5 ***Notodonta torva*** - Previously treated as *N. simplaria* Graef. Schintlmeister ([1984]) treated *N. simplaria* (misspelled as "*simpliaria*" in [1984] and in Schintlmeister 2008) as a subspecies of the widespread Eurasian species *N. torva*, based on similarity of male genitalic structure. In North America *N. torva simplaria* occurs at least as far north as west-central Northwest Territories and northern Yukon in Canada, so the single Holarctic species concept is plausible, but we also note that few taiga species are truly Holarctic (Mikkola et al. 1991) and more often they represent sibling species. This taxonomic arrangement should be carefully re-examined.
- 6 ***Gluphisia septentrionis*, stat. rev.** - Synonymized with ***G. crenata*** (Esper, 1785) by Schintlmeister ([1984]), who presumed *crenata* to be a widespread Holarctic species. However, an unexpectedly large genetic divergence (~8% of COI mtDNA barcode fragment) between North American and European



- populations indicates that separate species status should be retained until a more complete taxonomic evaluation can be made.
- 7 ***Furcula borealis*** - Schintlmeister (2008) treated *F. borealis* as a subspecies of *F. bicuspis* Borkhausen, 1790, described from Germany. *Furcula borealis* was elevated back to species status by Schmidt and Anweiler (2010a). The genus is in need of revision.
  - 8 ***Furcula cinerea*** - Barcode divergences within nominal *Furcula cinerea* indicate that more than one species may be involved. The genus is in need of revision.
  - 9 ***Furcula occidentalis*** - Schintlmeister (2008) treated *F. occidentalis* as a subspecies of the European *F. furcula* (Clerck, 1758), but *F. occidentalis* was elevated back to species status by Schmidt and Anweiler (2010a). The genus is in need of revision.
  - 10 ***Disphragis captiosa*** - Reported from Arizona by Leuschner (1992).
  - 11 **Subfamily Lymantriinae** - Classification of the subfamily Lymantriinae follows Ferguson (1973) with tribal classification from Holloway (1999). The Lymantriinae are treated as a subfamily of the Erebidae following Zahiri et al. (2010).
  - 12 **Tribe Leucomini** - Reinstatement of the tribe Leucomini follows Holloway (1999).
  - 13 **Subfamily Arctiinae** - Classification, nomenclature, and additional species updates to the Franclemont (1983) check list were provided in Ferguson and Opler (2006) and Schmidt and Opler (2008) and are not repeated here. The Arctiinae are treated as a subfamily of the Erebidae following Zahiri et al. (2010).
  - 14 **Subtribe Cisthenina** - Several lineages within the Lithosiini were proposed or re-defined by Bendib and Minet (1999), but not all North American genera were dealt with or explicitly included in the existing subtribes (described as tribes); as such, the subtribal arrangement should be considered provisional. The Cisthenina in particular includes morphologically very divergent genera and genus groups, and are likely not a monophyletic group as currently defined.
  - 15 ***Clemensia patella*** - *Clemensia patella* (type locality: Jalapa, Mexico) was removed from synonymy with *C. albata* by Ferguson and Opler (2006: 6) and applied to Pacific Coast populations. It was subsequently put back into synonymy by Schmidt and Opler (2008) because Pacific Coast populations are merely a slightly larger, darker form of *C. albata*, to which the name ***C. a. umbrata*** Packard, 1872 (type locality: California) has been applied at the subspecies level (and which has priority over *patella*). Examination of some of Ferguson's unpublished manuscripts shows that he had actually initially applied the name *patella* to southeastern US populations, not to Pacific Coast populations; this error probably crept into the Ferguson and Opler (2006)

- manuscript after Ferguson's untimely death. Comparison of the figure accompanying the original description of *patella*, topotypical *patella* specimens, and specimens of the unrecognized southeastern US taxon show that *patella* is indeed very similar to, but structurally distinct from *C. patella*. Accordingly, the US species (Florida and North Carolina specimens examined) are here listed as *C. patella* of authors, and *C. patella*, **stat. rev.** is raised from the synonymy of *C. albata* for the species in Mexico and Central America.
- 16 ***Holoarctia puengeleri sibirica*** - This taxon was listed as *Holoarctia puengeleri fridolini* in Schmidt and Opler (2008), but Dubatolov (2007) treated the North American (Alaskan) *H. puengeleri* as a new subspecies.
  - 17 ***Grammia Rambur*** - The genus *Grammia* was revised by Schmidt (2009b).
  - 18 ***Grammia franconia*, *G. hewletti*** - Revised status from Schmidt (2009b).
  - 19 ***Grammia figurata*** - Synonymy of *G. celia* from Schmidt (2009b).
  - 20 ***Arctia olschwangi*** - This species has been recorded from the North Slope region of Alaska (specimens in Alaska Lepidoptera Survey Collection). This species appears to be most closely related to *A. brachyptera*, with which it may eventually prove to be conspecific. Based on the material studied to date, however, the North Slope specimens are more similar to Siberian *A. olschwangi* than to Yukon *A. brachyptera*, differing in details of the wing pattern, extent of female wing development and female genitalic structure, and the species status is maintained until the taxonomy of the Beringian *Arctia* can be examined in more detail.
  - 21 ***Virbia Walker*** - The genus ***Holomelina*** Herrich-Schäffer was synonymized with *Virbia* and the species reviewed by Zaspel, Weller, and Carde (2008).
  - 22 ***Virbia marginata*** - This species was first reported from the US by Ferguson & Opler (2006), and also included in a recent review of the genus by Zaspel et al. (2008). Comparison of specimens from AZ and NM with nominate Guatemala *marginata* shows that the US species is not *marginata*.
  - 23 ***Hypercompe extrema*** - This taxon was listed by Franclemont (1983), but the specimens represent an undescribed species, known from southeastern Arizona and the Davis Mountains, Texas. Because it is an undescribed species it was not included in the Ferguson and Opler (2006) and Schmidt and Opler (2008) check lists.
  - 24 ***Utetheisa Hübner*** - Genitalic morphology (Pease 1968, DaCosta 2007) and DNA barcode data (BCS, unpubl. data) show that *bella* and *ornatrix* are forms of the same variable species.
  - 25 ***Dysschema leucophaea*** - The only United States record is based on a single female specimen collected in southern TX by W.W. McGuire in the 1970's. The specimen is either in the Florida State Collection of Arthropods or Texas A & M University (E. Knudson, pers. comm.).
  - 26 ***Pseudohemihyalea ambigua*** - Generic combination from Schmidt (2009a).
  - 27 ***Psilopleura polia*** - Reported from Texas by Knudson and Bordelon (2008).

- 28** *Phoenicoprocta* **Druce** - *Phoenicoprocta lydia* is known in the United States from a photograph of a live specimen taken at Falcon State Park, Rio Grande Valley, Starr Co., Texas by Frances Bartle (<http://texasento.net/Phoenicoprocta.htm>). *Phoenicoprocta hampsonii*, **comb. n.** was included in *Syntomeida* Harris due to the superficially similar spotted wing with species of the genus. However, *hampsonii* is congeneric with *Phoenicoprocta lydia*, based on superficial similarities (eg., narrow wings, straight-sided, non-pointed abdomen with small tuft on end), but also size, similarities in the male genitalia, and microstructure of the flocculent released from the ventral valve (underside of A1), which is nearly identical to that of *P. lydia*, and radically different from that of the flocculents of species of *Syntomeida*. [Contributed by James K. Adams].
- 29** **Subfamily Herminiinae** - The Herminiinae (and the Southeast Asian subfamily Aganainae) are associated with the Arctiinae on the basis of the molecular data of Zahiri et al. (2010). All three subfamilies are unique in the Noctuoidea in having a prespiracular post-tympanal hood on the abdomen.
- 30** *Idia* “**concisa**” - This species is related to *Idia aemula* but has a pale hindwing and a stronger median bar in the forewing. It was treated under the name *concisa* by Forbes (1954) and many subsequent authors, but is actually an undescribed species. The holotype of *Herminia concisa* Walker is in the CNC and is a typical specimen of *I. aemula*.
- 31** *Idia intensinalis* - This name was treated as a synonym of subspecies *occidentalis* by Franclemont and Todd (1983) but it is here transferred to the synonymy of *I. lubricalis*, **syn. rev.**
- 32** *Idia occidentalis* - Shown to be a valid species by Mustelin (2006) and *I. partialis* **syn. rev.** is a synonym.
- 33** *Idia immaculalis* - The monotypic genus *Reabotis* Smith, 1903 is a synonym of *Idia* Hübner, 1813. *Idia immaculalis* (Hulst), the type-species of *Reabotis*, is a close relative of *Idia occidentalis* (Smith) (Schmidt and Anweiler 2010a).
- 34** *Zanclognatha* **Lederer** - The genus *Zanclognatha* was synonymized with *Polygogon* Schrank by Poole (1989), but was later reinstated by Poole (1996) and has been treated as a valid genus by most subsequent authors. The two genera differ in the structure of the palpi, male antennae, and male genitalia (Owada 1987). *Zanclognatha lituralis* is a complex of species. The type material of *Z. lituralis* is lost.
- 35** *Zanclognatha theralis* - There are no structural differences between *Zanclognatha theralis*, *Z. deceptricalis*, *Z. inconspicualis* and *Z. gypsalis*. The holotype of *Z. theralis* is a small gray form with an evenly curved thin postmedial line. In the syntypes of *Z. deceptricalis* the transverse lines are prominent and form thick triangular spots on the costa and the pm line bends abruptly below the costa to project toward the outer wing margin. *Z. gypsalis*, **syn. n.** is a form with the central part of the forewing washed with white shading and the pm line may be sharply angled or evenly curved and thick or thin at the costa.

- It was described from North Carolina but is much more widely distributed. *Z. inconspicualis*, **syn. n.** is most like *Z. decepтрicalis*, but the pm line is evenly angled. Intermediate forms occur, although in some areas, two forms may occur together without apparent intermediate forms. The barcodes of the forms include 13 haplotypes among 16 specimens sampled and forms differ by three (of 658) base-pairs or less, with no apparent segregation of the forms by barcode, so we treat them as forms of a single species.
- 36 ***Zanclognatha minoralis*** - The type specimen illustrated by Smith (1895) is atypical for what is normally identified as *Z. minoralis* in southeastern United States. It is without locality so its identity remains to be confirmed.
- 37 ***Zanclognatha marcidilinea*** - Reidentification of the type specimen of *Zanclognatha jacchusalis* results in the name *Z. marcidilinea* being used for the species formerly known *Z. jacchusalis*. *Zanclognatha marcidilinea* is the species with a pale gray-brown forewing with the maculation reduced except for a contrasting yellow subterminal line (Lafontaine and Honey 2009).
- 38 ***Zanclognatha jacchusalis*** - The identity of the only extant type specimen of *Zanclognatha jacchusalis*, designated as lectotype by Lafontaine and Honey (2009), results in the name *Z. ochreipennis* being relegated to the synonymy of *Z. jacchusalis*. *Zanclognatha jacchusalis* has an orange-brown forewing heavily speckled with black and prominent maculation.
- 39 ***Zanclognatha lotalba bryanti*** - This subspecific name was transferred from *Z. ochreipennis* to *Z. lotalba* by Lafontaine and Honey (2009).
- 40 ***Simplicia cornicalis*** - Material of this introduced, Southeast Asian species was originally identified as *Simplicia caeneusalis*. The first records were from southern Florida by Jim Vargo in 2007 and from Vernon Brou, Jr. in Louisiana in 2008. *Simplicia caeneusalis* was placed in synonymy with *Simplicia cornicalis* by Holloway (2008) after examination of the genitalia of the type in Copenhagen. Holloway (2008) includes the full synonymy for the species. Although *Simplicia cornicalis* resembles some *Zanclognatha* species, especially *Z. marcidilinea*, genitalia structure and DNA data place it as the sister group to the *Zanclognatha* + *Chytolita* Grote clade.
- 41 ***Hormisa* Walker** - The genus ***Hormisa*** was synonymized with *Macrochilo* Hübner by Ferguson (1982) and the North American species revised.
- 42 ***Bleptina araealis*** - This species was reported from Florida by Dickel (1991). However, examination of the holotype from Nassau in the Bahamas in the Natural History Museum, London indicates that the Florida species is unnamed.
- 43 ***Bleptina hydrillalis*** - Examination of the type material of *Bleptina hydrillalis* and its synonyms in the Natural History Museum, London indicates that the species in Florida is unnamed.
- 44 ***Physula albipunctilla*** - First reported from North America from southern Florida by Dickel (1991); range now extended to northern Florida and southeastern Georgia (James K. Adams, pers. comm.).

- 45 ***Carteris lineata*** - Reported from Texas by Bordelon and Knudson (2000) and Knudson and Bordelon (2004). Voucher specimens are in the TLS Collection, Houston, Texas.
- 46 ***Macristis geminipunctalis*** - Reported from Florida by Dickel (1991); voucher illustrated from the Dickel Collection, Anthony, Florida.
- 47 **Subfamily Pangraptinae** - The Pangraptinae were resurrected as a tribe (in the Eublemminae) by Fibiger and Lafontaine (2005) and by Holloway (2005) (in the Catocalinae). Examination of additional morphological characters and other eublemmine taxa indicate Pangraptinae are not closely related to the Eublemminae (Holloway 2009), and are therefore accorded subfamily status. The molecular phylogeny of Zahiri et al. (2009) supports the inclusion of the Pangraptinae in a clade consisting of the Herminiinae, Aganainae and Arctiinae, also well-removed from the Eublemminae and supporting subfamily status.
- 48 ***Hypena* Schrank** - The genera ***Bomolocha*** Hübner, ***Ophiuche*** Hübner, and ***Plathypena*** Grote were synonymized with *Hypena* by Poole (1989). *Hypena annulalis*, *H. atomaria*, *H. heuloa*, *H. ramstadtii*, *H. umbralis*, *H. vega* were new combinations proposed by Poole (1989).
- 49 ***Hypena appalachiensis*, comb. n.** - Combination results from synonymy of *Bomolocha* and *Hypena* by Poole (1989).
- 50 ***Hypena subidalis*** - Reported from Florida by Dickel (1991); voucher illustrated from the Dickel Collection, Anthony, Florida. Generic combination from Poole (1989).
- 51 ***Hypena vetustalis*** - Reported from Florida by Dickel (1991) and Texas by Knudson and Bordelon (2004), however the specimens have been reidentified as *Hypena annulalis* (Grote) by comparison with the types of *H. annulalis* and *H. vetustalis* in the BMNH. Specimens of real *Hypena vetustalis* were collected by T. Dickel in southern Florida. Generic combination from Poole (1989).
- 52 ***Hypena modesta*** - This name by Smith is a junior homonym; it was replaced by *Hypena modestoides* Poole, 1989.
- 53 ***Hypena eductalis*** - The species *Lomanaltes eductalis* (Walker) of the Franclemont and Todd (1983) check list is phylogenetically nested within *Hypena* Schrank, so the genus ***Lomanaltes*** Grote, **syn. n.** is placed within *Hypena* in spite of the autapomorphic modification of the forewing costa. This action recreates a primary junior homonym of *Hypena* (*Bomolocha*) *eductalis* Hampson, 1895, described from India, with the older name *Hypena eductalis* Walker, [1859], described from North America, so we propose the replacement name ***Hypena neoeductalis*** Lafontaine & Schmidt, **nom. nov.** for the junior homonym *Hypena* (*Bomolocha*) *eductalis* Hampson.
- 54 ***Colobochyla* Hübner, *Melanomma* Grote** - These two genera were included in the Rivulinae in Richards (1933) and Franclemont and Todd (1983) and in the Phytometrinae by Fibiger and Lafontaine (2005) but do not fit well in



- either group. DNA results in Zahiri et al. (2010) suggest a more isolated position near the Hypheninae.
- 55 **Subfamily Rivulinae** - Classification mainly follows Fibiger and Lafontaine (2005), but the genera *Oxycilla* Grote and *Zelicodes* Grote have been moved here from the Boletobiinae on the basis of DNA data for *Oxycilla* reported by Zahiri et al. (2010).
- 56 ***Rivula pusilla*** - Reported from Florida by Heppner (2003) and from Texas by Knudson and Bordelon (2004).
- 57 **Subfamily Scoliopteryginae** - Classification follows that of Kitching and Rawlins [1998] for the Scoliopterygini, except that the group is raised to subfamily status **stat. rev.**, because of the lack of morphological (Holloway 2005) and molecular (Zahiri et al. 2010) support for inclusion within the Calpinae. This group has generally been treated as subordinate within the calpines due to the shared, specialized structures of a piercing proboscis, but Holloway (2005) outlines numerous structural features that define scoliopterygines and calpines as separate groups. Nuclear gene data also does not support a close relationship of *Scoliopteryx* and Calpinae, but does support a close scoliopterygine-anomine relationship (Zahiri et al. 2010), also suggested by Holloway (2005).
- 58 **Tribe Scoliopterygini** - Classification follows that of Kitching and Rawlins [1998].
- 59 **Tribe Anomini** - Classification follows that of Kitching and Rawlins [1998].
- 60 ***Anomis* Hübner** - Holloway (2005) divided the genus *Anomis* Hübner, [1821] into a number of smaller, better defined genera, but he was mainly dealing with the southeastern Asian fauna, in general, and the Borneo fauna in particular, so he provisionally restricted the genus *Anomis* to the New World pending further research on the Neotropical fauna of the Anomini. Reconciling the North American fauna with Holloway's (2005) concepts results in the following changes: transfer of *erosa* and *flava* to the genus ***Cosmophila*** Boisduval, 1833, *privata* to ***Rusicada*** Walker, *editrix* Guenée to ***Gonitis*** Guenée, and leaving the remainder of the North American species in *Anomis*. Holloway also provisionally synonymized *Alabama* Grote with *Anomis* because it falls within the broader New World concept of *Anomis*, but it may be a valid genus after the New World *Anomis* are revised, and *Alabama* is therefore retained as valid. *Anomis* was originally proposed in a list (Hübner [1821]a) with no description for either of the two included species, *Anomis exacta* and *A. erosa*. Holloway followed Nye (1975) in treating the Neotropical species *Anomis exacta* Hübner, [1822] as the type-species of *Anomis*, believing that *Anomis erosa* had not been validated until 1823 when it was formally described. However, Poole (1989) correctly points out that the original listing of *Anomis erosa* by Hübner ([1821]a) gives a figure reference to illustrations of the species that were published in 1821 in another work (Hübner [1821]b), so the correct type-species of *Anomis* is *Anomis erosa* and the genus *Cosmophila* Boisduval is a synonym of it. That means that if more restrictive generic limits are adopted for the New

- World Anomini, as Holloway (2005) did for the Southeast Asian fauna, the Neotropical fauna of *Anomis* and the associated generic names currently in synonymy with *Anomis* need to be studied before the North American species can be assigned to genera. Until such a comprehensive study can be undertaken, we have opted to follow Poole (1989) and use an inclusive concept for *Anomis*, and maintain *Alabama* Grote as a valid genus until its position with respect to other New World Anomini is known.
- 61 ***Anomis commoda*** - *Anomis commoda* was synonymized with *Anomis privata* by Sugi et al. (1992).
- 62 **Subfamily Calpinae** - Classification generally follows Kitching and Rawlins (1998) and Zaspel and Branham (2008), but with the tribes Scoliopterygini and Anomini removed for reasons given above under the Scoliopteryginae.
- 63 **Tribe Calpini** - Classification generally follows Kitching and Rawlins (1998) and Zaspel and Branham (2008), but with *Eudocima* Billberg removed to the tribe Ophiderini because of weak support between this clade and the Calpini s. s. using nuclear DNA (Zahiri et al. 2010).
- 64 ***Gonodonta fulvangula*** - This species was recorded in Rio Grande City, Texas in 1977 (Knudson and Koehn 2009).
- 65 ***Gonodonta bidens*** - Reported from Florida by Dickel (1991) and from Texas by Knudson and Bordelon (2004).
- 66 ***Gonodonta nitidimacula*** - This species was recorded in Mission, Texas in 2009 (Bordelon and Knudson 2010).
- 67 ***Plusiodonta suffusa*** - Examination of the holotype of *Plusiodonta suffusa* shows that it is a synonym of *P. amado*.
- 68 ***Eudocima apta*** - *Eudocima materna* (Linnaeus, 1867) is now considered to be an Old World species and is replaced in the New World by *Eudocima apta* (Walker, [1858]) (Zilli and Hogenes 2002).
- 69 ***Eudocima serpentifera*** - Recorded in Louisiana in 2006 (Brou 2006)
- 70 ***Eudocima tyrannus*** - Recorded in the Aleutian Islands of Alaska in 2001 (Kruse 2002).
- 71 **Subfamily Hypocalinae** - The genera included here in the Hypocalinae have very distinctive derived character states in the genitalia, partly discussed below under *Aon*, that support a monophyletic clade. However, the placement of the clade within the Erebidae is uncertain.
- 72 ***Aon Neumoegen*** - The systematic placement of the genus *Aon* has had a very checkered past. First described as a species of Cossidae, then moved to the Lymantriidae and subsequently to the Euteliinae, it was again moved to the Catocalinae by Kitching and Rawlins [1998] to render the Euteliidae monophyletic. Fibiger and Lafontaine (2005) then placed it in Dilobinae (= Raphiinae), decisively excluding it from the Lymantriinae based on lack of synapomorphies, which instead variably associated *Aon* with Pantheinae, Raphiinae, Acronictinae (all Noctuidae) or Erebidae (excluding Lymantriinae). Characters of *Aon* more typical of Noctuidae as opposed to Erebidae as cited by Fibiger

and Lafontaine (2005) include a nodular tympanal sclerite (linear in most Erebidæ), tympanal bullae fused (separated in most Erebidæ), scaphium membranous (sclerotized in most Erebidæ). Re-examination of *Aon noctuiformis* shows however that the scaphium has a narrow dorsal sclerotization, and the beak-like palpi, forewing pattern and the fine, dense terminal tufts of the female abdomen are unlike any acronictoid (Dilobinae-Acronictinae-Pantheinae) genera. Also, the female ductus seminalis arises directly opposite (dorsal to) the ostium, such that the apparent ductus bursae is actually the basal section of the corpus bursae; in all examined acronictoid genera, the ductus bursae is well-defined with the ductus seminalis arising at the base of the corpus bursae roughly halfway between the ostium and tip of the corpus bursae. The stout, curving flange at the apex of the aedeagus also does not occur in acronictoid genera. The above mentioned characters of *Aon* (tufted female abdominal terminus, origin of ductus seminalis, flanged aedeagus, beaked palpi) are shared by several genera currently placed in the Hypocalinae (*Psammathodoxa*, *Goniapteryx*); furthermore, the COI barcode data clusters *A. noctuiformis* within *Psammathodoxa* and *Hypsoropha* (and never near the acronictoid groups); both DNA data and morphology suggests a close relationship to *Psammathodoxa*, so we transfer *Aon* to the Hypocalinae.

- 73 **Subfamily Scolecocampinae** - This subfamily was characterized by Fibiger and Lafontaine (2005). DNA data and genital characters suggest that the New World genera included in the Araeopteroninae by Fibiger 2005 [in Fibiger and Lafontaine (2005)] are more closely related to the Scolecocampinae than to the Araeopteroninae, although much research remains on the status and composition of this and many other subfamilies and tribes of the Erebidæ.
- 74 *Arugisa lutea*, *A. latiorella* - The holotype of *Arugisa latiorella* in the BMNH is a specimen of the species currently known as *Arugisa watsoni* so *Arugisa lutea*, **stat. rev.**, a former synonym of *Arugisa latiorella* becomes the valid name for the common golden-colored species in eastern North America and *A. latiorella* becomes the name for the less common brown-colored species formerly known as *A. watsoni*, **syn. n.**
- 75 ***Abablemma* Nye** - The genus *Abablemma* was transferred to the Araeopteroninae by Fibiger and Lafontaine (2005) on the basis of small size and the split valve of the male genitalia. Larval characteristics (Wagner 2008), molecular results from COI, and a reassessment of the valve character lead us to transfer *Abablemma* to the Scolecocampinae next to *Phobolosia* Grote, its apparent closest relative. The valve of *Abablemma* is split, as it is in Araeopteroninae, Scolecocampinae, and many Herminiinae, but the dorsal (costal) part of the valve is heavily sclerotized in *Abablemma*, the Scolecocampinae, and the Herminiinae, whereas in the Araeopteroninae the ventral part of the valve is heavily sclerotized and finger-like with the apex swollen.
- 76 ***Phobolosia duomaculata*** - This species was inadvertently omitted from the Franclemont and Todd (1983) check list. It is inserted here as *Abablemma duo-*

- maculata* (Barnes & Benjamin, 1925), **comb. n.** It is a close relative of *A. bilineata* (Barnes & McDunnough, 1916) and *A. brimleyana* (Benjamin, 1914).
- 77 **Subfamily Scolecocampinae (*incertae sedis*)** - The New World genera were associated with the subfamily Araeopteroninae by Fibiger (2005) appear to be more closely related to the Scolecocampinae, but they are treated here as *incertae sedis* pending further research.
- 78 ***Araeopteron vilhelmina*** - This species was listed in Franclemont and Todd (1983) on the basis of records from Florida. This could be a complex of species, based on slight differences in wing pattern between the material from Florida and Cuba as compared with typical *vilhelmina*, which occurs in southern Mexico and Central America. The genitalia are very simple structurally, so more material is needed to resolve the identity of the species in southern Florida. The valve is mainly membranous, broad and slightly concave apically and without any processes. None of the New World species of “Araeopteroninae” examined, including “*Araeopteron*” *vilhelmina*, has the structural characters used to define the Araeopteroninae by Fibiger (2005) and it appears that the Araeopteroninae may be restricted to the Old World. In the Araeopteroninae the male valve is deeply cleft with the lower half of the valve heavily sclerotized and apically clubbed; in the female corpus bursae there is a heavily sclerotized plate covered with long spines. “*A.*” *vilhelmina* is structurally close to the genus *Sigela* Hulst except that M2 extends to the lower margin of the cell, so the forewing is quadrifine and not trifine as in *Sigela*.
- 79 ***Sigela* Nye** - *Quandara brauneata* (Swett, 1913) was placed in the genus *Sigela* Hulst, 1896, by Fibiger and Lafontaine (2005) and the two genera synonymized on the basis of similarities in the male genitalia. ***Quandara*** is a replacement name for the preoccupied genus ***Lycaugesia*** Hampson, the genus to which *Eois brauneata* Swett was transferred when it was discovered that it was a noctuid, not a geometrid. *Sigela brauneata*, like other species of *Sigela*, has a trifine forewing, unique in the Erebidae, and the reason why *Sigela penumbrata* Hulst and *Eois brauneata* were described as geometrids. ***Lycaugesia hypozonata*** Hampson, the type-species of *Lycaugesia* Hampson (and *Quandara* Nye) has a quadrifine forewing, so *Quandara*, **stat. rev.**, is not a synonym of *Sigela* but at present includes only the species *Quandara hypozonata* (Hampson). *Sigela brauneata* is the most divergent species in *Sigela* in male and female genital characters and may be relegated to a new genus when the group is revised.
- 80 **Subfamily Hypenodinae** - Classification mainly follows Fibiger and Lafontaine (2005).
- 81 **Subfamily Boletobiinae** - Classification mainly follows Fibiger and Lafontaine (2005).
- 82 ***Parascotia fuliginaria*** - This species was originally reported as an introduction into North America by Franclemont and Todd (1983) but the North American material was later described as a new species, *Parascotia mineta* Franclemont, 1985. On the basis of examination of more European material, *Para-*

- scotia mineta*, **syn. n.** is combined with *Parascotia fuliginaria* and treated as a European introduction.
- 83 ***Metalectra* Hübner** - The genus *Metalectra* was included in the Eublemminae, tribe Eublemmini by Fibiger and Lafontaine (2005) on the basis of the membranous cucullus, a character shared with the Scolecocampini and Boletobiini. The larva is a wart-covered fungus feeder so we associate the genus with the Scolecocampini-Boletobiini group and then with the tribe Boletobiini because the DNA barcode consistently associates *Metalectra* with *Mycterophora* Hulst.
- 84 ***Metalectra geminincta*** - Reported from Florida by Dickel (1991); voucher illustrated from the Dickel Collection, Anthony, Florida.
- 85 ***Prosoparia anormalis*** - This taxon was reinstated as a valid species by Lafontaine and Dickel 2009. The name is based on the original illustrations because the species was synonymized with *P. perfuscaria* before the associated description was published. It has crisper forewing markings than *P. perfuscaria*, especially the finely scalloped black pm line, the antennal pectinations are shorter, and the COI base pair sequences of the two species differ by 4%.
- 86 **Subfamily Aventiinae** - The concept of the subfamily Aventiinae was expanded by Holloway (2009) to include a number of quadrifine genera that had previously been associated with the former broad concept of Acontiinae. The most distinctive characters are in the female genitalia (reduction or loss of the anterior apophyses, a pouch on each side of the ostium, a partial coil where the corpus bursae tapers into the ductus seminalis). Holloway (2009) includes *Oruza* Walker in the Aventiinae and we follow that here. However, several other quadrifine genera formerly associated with the Acontiinae s.l. (e.g., *Hyperstrotia* Hampson, *Allerastria* Brown, and *Homocerynea* Barnes & McDunnough) do not have the Aventiine characteristics and are placed as *incertae sedis* genera in the Phytometrinae.
- 87 ***Oruza* Walker** - Holloway (2009) transferred *Oruza* from the Acontiinae. He also points out this it is a generic complex and the genus *Oruza* occurs in the eastern Palearctic, India, Southeast Asia, and Australia. The New World species associated with *Oruza* are in need of generic revision and no generic synonyms are available, so we place the genus in quotation marks for the two species that occur in North America.
- 88 **Subfamily Eublemminae** - Classification mainly follows Fibiger and Lafontaine (2005) after the removal of the Pangraptini, which are herein raised to subfamily status.
- 89 ***Eumicremma* Berio, *Eumestleta* Butler** - The genera *Eumicremma* and *Eumestleta* listed in Franclemont and Todd (1983) are treated as synonyms of *Eublemma* Hübner following Poole (1989).
- 90 **Subfamily Phytometrinae** - Classification mainly follows Fibiger and Lafontaine (2005). Some genera may need to be transferred to the revised concept of the Aventiinae by Holloway (2009) or to as yet unnamed subfamilies, so a generic revision and redefinition of the Phytometrinae are needed.



- 91 ***Hemeroplanis rectalis*** - This former form of *Hemeroplanis historialis* was treated as a valid species by Knudson and Bordelon (2004) and we follow that here.
- 92 ***Hemeroplanis trilineosa*** - Reported from Texas by Knudson and Bordelon (2004). Voucher specimen identified by R. Poole. Other specimens may have the third (subterminal) line reduced or absent (E. Knudson, pers. comm.).
- 93 ***Mursa* Walker** - Specimens of the genus *Mursa* from southern Florida and Texas have been associated with three different species' names of *Mursa*. After examination of the genitalia, and most of the type specimens of the 12 names associated with *Mursa*, we believe only a single species occurs in the US and that most if not all of the "species" of *Mursa* represent color forms of *Mursa phthisialis*.
- 94 ***Janseodes melanospila*** - This species was included in the genus *Raparna* Moore in Franclemont and Todd (1983) but was transferred to the genus *Janseodes* Viette by Poole (1989).
- 95 ***Hyperstrotia* Hampson** - *Hyperstrotia* is transferred from the Eustrotiinae to the Phytometrinae, partly on the basis of the tympanal characters discussed by Richards (1933: 14) and partly because of similarities in the larvae and larval behavior (Wagner et al. 2011).
- 96 ***Aglaonice otignatha*** - *Aglaonice hirtipalpis* (Walker, [1859]) was reported from Florida by Dickel (1991) and Heppner (2003), but examination of the types of *A. hirtipalpis* and *A. otignatha* Hampson, 1924 at the Natural History Museum, London, leads to a reidentification of the Florida material as *A. otignatha*. The genus has been listed in the Herminiinae (e.g., Poole 1989), but the postspiracular tympanal hood and DNA exclude it from the Herminiinae. It is placed here following Richards (1933: 15) analysis of the tympanal pockets, which he describes as being typical for Phytometrinae.
- 97 ***Allerastria* Brown** - Genus and generic combination from Brown (1987). Previously associated with the Eustrotiinae in Franclemont and Todd (1983), *Allerastria* shows more similarities to the Phytometrinae in habitus, genitalia, and DNA than to the Eustrotiinae.
- 98 ***Homocerynea* Barnes & McDunnough** - Like *Allerastria*, this genus previously was associated with the Eustrotiinae in Franclemont and Todd (1983). It is tentatively associated with the Phytometrinae.
- 99 ***Cecharismena jalapena*** - This species was described from Orizaba, Mexico and occurs as far north as Texas (vouchers in TLS Collection, Houston). The Franclemont and Todd (1983) check list includes *C. abarusalis*, a species that occurs in Brazil, but this listing seems to be based on the superficial similarity of *C. abarusalis* with the very sexually dimorphic female form of *C. cara*.
- 100 ***Cecharismena anartoides*** - *Plusiodonta anartoides* Walker was included in the genus *Matiloxis* Schaus in Franclemont and Todd (1983), but was transferred to the genus *Radara* Walker by Poole (1989). We treat *Radara* as an Old World genus, primarily occurring in Africa and Southeast Asia. The species placed in

- Cecharismena* by Poole (1989) and some in *Radara* from Central and South America have basal abdominal brushes, levers, and pockets (reduced in some species). These are similar to the structures that are widespread in many subfamilies in the Noctuidae but the details suggest they are convergently derived. Similarities in valve shape and dorsal processes, presence of a large pair of brushes on eversible coremata on the eighth sternum, and the apex of aedeagus expanded with a sclerotized ridged pattern, all suggest that the New World radiation should be treated as a separate genus from Old World *Radara*. The genera *Zagorista* Schaus, 1916, *Chirconia* Schaus, 1916, **syn. n.**, *Diodines* Schaus, 1916, **syn. n.**, *Duriga* Schaus, 1916, **syn. n.**, and *Matiloxis* Schaus, **syn. n.**, are synonyms of *Cecharismena*. [Contributed in collaboration with J. B. Sullivan].
- 101 Subfamily Anobinae** - DNA results for *Anoba* Walker and related genera are highly volatile and range from the group being nested within the Eulepidotinae, to a highly isolated group of Erebidae (Zahiri et al. 2010; Zahiri, pers. comm.). They were proposed as a tribe of the Catocalinae s. l. by Holloway (2005), but we raise them to subfamily status on the basis of the DNA results where they are well removed from the Erebiniae. They differ from most tribes of the Erebiniae in that the ostial opening is not displaced into the seventh abdominal sternite, and from these tribes and the Eulepidotinae in lacking the characteristic form of mid-tibial hair pencil of these taxa. Some genera have massive tufts of hair on the tibiae, especially the hind tibia (e.g., *Deinopa* Walker). The Anobinae are reviewed by Lafontaine and Walsh (2010a).
- 102 *Deinopa angitia*** - This species was described in the genus *Neohermينيا* Druce, a synonym of *Phalaenophana* Grote in the subfamily Herminiinae. It was moved to *Mastixis* Schaus, also in the Herminiinae by Poole (1989), but the species belongs in the Anobinae, not the Herminiinae so we move it to the genus *Deinopa* Walker as *D. angitia* (Druce), **comb. n.** The composition of the species associated with the generic names *Deinopa* and *Baniana* Walker are in need of revision (Lafontaine and Walsh 2010a).
- 103 Subfamily Erebiniae** - From DNA evidence presented by Zahiri et al. (2010), the concept of the subfamily Erebiniae is greatly expanded from that of Goater et al. (2003), Fibiger and Lafontaine (2005), and Lafontaine and Fibiger (2006) to include most of the tribes of the subfamily Catocalinae as defined by Goater et al. (2003) and Fibiger and Lafontaine (2005).
- 104 Tribe Toxocampini** - This group of genera was treated as a tribe of the Catocalinae by Goater et al. (2003) and Fibiger and Lafontaine (2005). In Zahiri et al. (2010) the tribe fell outside of the Erebiniae, but with no bootstrap or Bremer support, so we retain them in the Erebiniae pending further research.
- 105 *Lygephila victoria*** - Generic combination from Poole (1989).
- 106 *Tathorhynchus exsiccata*** - This species was transferred to *Lygephila* Billberg by Goater et al. (2003), but was returned to *Tathorhynchus* Hampson by Fibiger and Hacker (2005).

- 107 **Tribe Thermesiini** - The large-eyed (modified reniform spot) erebids from both the New and Old World are structurally and molecularly very different from *Erebus* Latreille of the Old World, so the tribal name Thermesiini (based on a synonym of *Hemeroblemma* Hübner) is used in place of the Erebini.
- 108 ***Letis xyli*** - First reported from Texas by Blanchard and Knudson (1985a). A voucher specimen is in the USNM.
- 109 **Tribe Catocalini** - This tribe follows the definition given in Fibiger and Lafontaine (2005) except the tribes of the subfamily Catocalinae sensu Fibiger and Lafontaine are treated as tribes of the Erebinae following Zahir et al. (2010). Revised sequence for species of *Catocala* from Gall and Hawks (2010).
- 110 ***Catocala* Schrank: synonymy** - Synonymy from Gall and Hawks (2010).
- 111 ***Catocala*: taxa described by Edwards and Grote** - New synonymy and/or revised status for taxa described by W. H. Edwards and Grote from Gall and Hawks (2002b).
- 112 ***Catocala luctuosa*, *C. carissima*** - Revised status as valid species from Gall and Hawks (2010).
- 113 ***Catocala*: new status** - From Gall and Hawks (2010).
- 114 ***Catocala*: taxa described by Strecker** - New synonymy and/or revised status for taxa described by Strecker from Gall and Hawks (1990).
- 115 ***Catocala texanae*** - The correct spelling is *texanae*; *texana* is a misspelling by Poole (1989).
- 116 ***Catocala desdemona*** - Revised status as valid species from Hawks (2010).
- 117 ***Catocala*: synonymy** - Synonymy from Hawks (2010).
- 118 ***Catocala benjamini*** - Revised status from Brower (1982).
- 119 ***Catocala louiseae*** - *Catocala protonympha* Boisduval, 1840, a long unused synonym of *Catocala louiseae* Bauer, 1965, is treated as a *nomen oblitum*, so *Catocala louiseae* is treated as a *nomen protectum* by Gall and Hawks (2002a).
- 120 ***Catocala pretiosa*** - Revised status as valid species by Schweitzer (1982).
- 121 ***Catocala lineella*** - Revised status as valid species by Gall (1990).
- 122 **Tribe Melipotini** - This tribe was characterized by Fibiger and Lafontaine (2005). Like most tribes of the Catocalinae, it is placed in the subfamily Erebinae following Zahir et al. (2010).
- 123 ***Phoberia ingenua*** - The taxon formerly treated as *Phoberia atomaris* is now recognized as two species in North America, *P. atomaris* and *P. ingenua*. The genus was revised by Lafontaine et al. (2008).
- 124 ***Cissusa subtermina*** - Synonymy by Mustelin (2006).
- 125 ***Bulia* Walker** - The genus was revised by Pogue and Laughlin (2002).
- 126 ***Bulia schausi*** - This species was reported in Arizona by Ferris (2007). A search for the species in 2009 indicates that the species is more widespread in southeastern Arizona than previously known (C. Ferris, pers. comm.).
- 127 ***Drasteria hastingsii*** - *Drasteria hastingsii*, **stat. rev.** is a separate species from *Drasteria mirifica* with distinct genital characters. [Contributed by J. T. Troubridge].

- 128 ***Synedoida* H. Edwards** - The genus ***Synedoida*** was synonymized with *Drasteria* Hübner by Richards (1939). *Synedoida* was reinstated as a genus by Franclemont and Todd (1983) but re-synonymized with *Drasteria* by Poole (1989).
- 129 ***Drasteria nichollae*** - *Drasteria nichollae* (Hampson, 1926), **syn. n.**, = *Drasteria sabulosa* H. Edwards, 1881. [Contributed by J. T. Troubridge].
- 130 **Tribe Euclidiini, Tribe Poaphilini** - The tribe Euclidiini as used in Fibiger and Lafontaine (2005) is arranged into two tribes to reflect the monophyly of the two included clades. After analysis of DNA data and genital structure the *Argyrostromis* group of genera is reassigned to the tribe Poaphilini, which is based on a generic synonym of *Argyrostromis*.
- 131 ***Callistege* Hübner** - The genus *Callistege* was synonymized with *Euclidia* Ochseneimer by Goater et al. (2003), but retained as a subgenus. *Callistege* is reinstated as a separate genus. The three North American species were originally described in *Euclidia*, so the associations are *Callistege intercalaris*, **comb. rev.**, *C. diagonalis*, **comb. rev.**, and *C. triangula*, **comb. rev.**
- 132 ***Caenurgina distincta*** - This name is a synonym of *Caenurgina crassiuscula* (Schmidt and Anweiler 2010a).
- 133 ***Ptichodis immunis*, *Mocis cubana*** - Reported from Florida by Dickel (1991); vouchers illustrated from the Dickel Collection, Anthony, Florida.
- 134 ***Neadysgonia* Sullivan** - Genus proposed, revised, and removed from the Old World genus *Dysgonia* Hübner by Sullivan (2010).
- 135 ***Cutina* Walker** - The genus was revised by Pogue and Ferguson (1998).
- 136 ***Focillidia grenadensis*** - Reported from Florida by Heppner (2003).
- 137 **Tribe Ophiuini** - This tribe was characterized by Fibiger and Lafontaine (2005). It is now placed in the subfamily Erebininae following Zahir et al. (2010).
- 138 ***Epidromia* Guenée** - Classification and nomenclature of the genus *Epidromia* in North America follows Lafontaine and Dickel (2008).
- 139 ***Itomia opistographa*** - Reported from Texas by Bordelon and Knudson (2000) and Knudson and Bordelon (2004). Voucher specimens are in the TLS Collection, Houston, Texas.
- 140 ***Heteranassa minor*** - Synonymy by Mustelin (2006).
- 141 ***Elousa albicans*** - Reported from Florida by Dickel (1991); voucher illustrated from the Dickel Collection, Anthony, Florida.
- 142 ***Coxina hadenoides*, *Euclystis insana*, *Coenipeta medina*** - Reported from Texas by Knudson and Bordelon (2004). Voucher specimens are in the TLS Collection, Houston, Texas. The species name *hadenoides* is sometimes misspelled as *hadenioides*. Like many Neotropical species, these three species may represent species complexes, so further research is needed to confirm the identities of the species that occurs in Texas.
- 143 ***Kakapoda cincta*** - Synonymy by Becker and Miller (2002).
- 144 ***Toxonprucha diffundens*** - Reported from Texas by Knudson and Bordelon (2004). This name represents a complex of species so the identity of the species in Texas remains to be confirmed.

- 145 ***Zaleops paresa*** - The species name was misspelled as *Zaleops paressa* in Franclemont and Todd (1983).
- 146 ***Matigramma Grote*** - The genus was revised by Franclemont (1986).
- 147 ***Acritogramma Franclemont*** - The genus *Acritogramma* was described by Franclemont (1986) and *Matigramma metaleuca* transferred to it.
- 148 ***Acritogramma noctar*** - A single specimen of this species from southern Arizona is in LACM (Franclemont 1986).
- 149 ***Zale peruncta*** - Reported from Texas by Knudson and Bordelon (2004). This name represents a complex of species so the identity of the species in Texas remains to be confirmed.
- 150 ***Zale obsita*** - Reported from Texas by Knudson and Bordelon (2004) and Florida by Heppner (2003). *Zale obsita* was described from Brazil. The taxon occurring in Texas is a different species from the one in southern Florida. Further research is needed to determine which, if either, of these taxa is *Zale obsita*.
- 151 ***Zale intenta*** - Previously treated as a junior subjective synonym of *Z. lunifera*, this is the common widespread species in eastern North America and *Z. lunifera* is the localized species of barrens along the Atlantic Seaboard (Schmidt 2010b).
- 152 ***Achaea ablunaris*** - Reported from Florida by Dickel (1991). Reported from Texas by Knudson and Bordelon (2004), however these records may be referable to *Mimophisma delunaris* (E. Knudson, pers. comm.).
- 153 ***Amolita Grote*** - The genus *Amolita* is included here because the ostium in *Amolita fessa*, the type-species of *Amolita*, is positioned anteriorly and to the side in the seventh sternite, as in other Ophiuini. The ostium is not as displaced in some other species included in *Amolita*.
- 154 **Subfamily Eulepidotinae** - DNA results from Zahiri et al. (2010) suggest that the Eulepidotini and Panopodini are not clades within the subfamily Erebidae, so the Eulepidotini is raised to subfamily status and includes the tribes Eulepidotini and Panopodini. The female genitalia have the ostial opening in the membrane between the seventh and eighth abdominal sternite, not displaced anteriorly into the seventh sternite as it is in many tribes of the Erebidae, such as Euclidiini, Poaphilini, and Ophiuini. We place it on the list after these tribes because males of the Eulepidotini and Panopodini have the same form of long mid-tibial hair pencils arising from a groove covered with flat translucent white scales. Some genera (e.g., *Eulepidotis* Hübner and *Panopoda* Guenée) also have a differently structured hair pencil on the hind tibia.
- 155 ***Eulepidotis addens*** - Reported from Texas by Blanchard and Knudson (1985a). Voucher specimens are in the TLS Collection, Houston, Texas.
- 156 ***Eulepidotis rectimargo*** - A relatively recent (1969) specimen from Texas is in USNM. It had been incorrectly identified as *Eulepidotis merricki* (Holland, 1902).
- 157 ***Eulepidotis electa*** - A relatively recent (1979) specimen from Arizona is in USNM.



- 158 *Eulepidotis micca* - An old specimen labelled only "S. Tex." is in USNM. More recent specimens reported by Bordelon and Knudson (2000), and others have been found since then (E. Knudson, pers. comm.).
- 159 *Eulepidotis striaepuncta* - Reported from Florida by Dickel (1991); voucher illustrated from the Dickel Collection, Anthony, Florida.
- 160 *Herminocala stigmaphiles* - Generic combination from Poole (1989).
- 161 *Obrima pyraloides* - Reported from Texas by Knudson and Bordelon (2004). Voucher specimen in Texas A & M Collection (E. Knudson, pers. comm.).
- 162 *Renodes curviluna*, *Epitaua copprii* - Reported from Texas by Bordelon and Knudson (2000). Voucher specimens are in the TLS Collection, Houston, Texas.
- 163 *Athyra* **Hübner** - Two species of *Athyra* occur in southern Florida that have gone under the name of *A. adjutrix*. The species that resembles *A. adjutrix* (with an elongated dumbbell-shaped reniform spot) is an undescribed species that occurs in southern Florida and the Caribbean. The "form" *ganglio* (with a short, comma-shaped reniform spot) is a valid South American species and not a synonym of *A. adjutrix*. Specimens from southern Florida and Central America that resemble *A. ganglio* are undescribed species.
- 164 *Manbuta pyraliformis* - *Thermesia pyraliformis* Walker was transferred to the genus *Epidromia* Guenée by Poole (1989) and reported for Florida in that combination by Dickel (1991). It was later transferred to the genus *Manbuta* Walker by Becker (2001). *Manbuta* does not have a displaced ostial opening as in *Epidromia* and the Ophiuini, so we include it here in the Panopodini.
- 165 **Subfamily Eulepidotinae (*incertae sedis*)** - Three groups of genera have not currently been associated reliably with any subfamily of the Erebidae and do not have a displaced ostial opening characteristic of many erebine tribes, so they are included here after the Eulepidotinae as *incertae sedis* groups.
- 166 *Litoprosopus haitiensis* - This species was reported in Florida by Dickel (1991) and Heppner (2003) under the name *Litoprosopus haitiensis*. Its identity is corrected to *Litoprosopus hatuey* after examination of the types in the Natural History Museum, London.
- 167 **Family Euteliidae** - Classification follows Kitching and Rawlins [1998]. They are treated as a family of the Noctuoidea following Zahir et al. (2010).
- 168 *Marathyssa minus* - DNA barcode data supports the recognition of the phenotypically distinct taxon *Marathyssa minus* as a species separate from *M. inficita* of which *minus* was previously treated as a subspecies. The two species occur in sympatry in parts of Arizona, New Mexico and Texas.
- 169 *Paectes pygmaea* **group** - The species names in this species group were revised by Metzler and Franclemont (1991).
- 170 *Paectes lunodes* - Reported from Florida by Dickel (1991); voucher illustrated from the Dickel Collection, Anthony, Florida.
- 171 *Eutelia pyrastis* - This species was described from the Bahamas (type examined) and occurs also in southern Florida. Florida specimens previously were

- identified as *E. furcata*. Based on differences in phenotype and genitalia between Florida specimens and *E. furcata*, *E. pyrastis* **stat. rev.** is treated as a distinct species.
- 172 ***Eutelia furcata*** - This species occurs in the Caribbean and from western Texas and Arizona southward at least to Costa Rica. Examination of the types of the synonyms of *E. furcata* (*distracta* Walker, 1865; *piratica* Schaus, 1940; *pertanda* Dyar, 1925) and DNA barcode data from specimens from Arizona, Dominican Republic, and Costa Rica, leads us to conclude that these names are correctly attributed to the synonymy of *E. furcata* as listed by Barbut and Lalanne-Cassou (2005).
- 173 **Family Nolidae** - Classification follows Kitching and Rawlins [1998]. Reinstatement as a family follows Zahiri et al. (2010).
- 174 ***Meganola phylla*** - Significant differences in their COI mitochondrial DNA sequences indicate that *Meganola phylla*, **stat. rev.** and *M. minuscula* should be treated as separate species.
- 175 ***Nola cucullatella*** - This Eurasian species was collected in 2008 in the greater Vancouver area of British Columbia (Westham Island) by Dave Holden, representing the first North American record. Vancouver is a major shipping port, and is the most probable source area of the introduction.
- 176 ***Garella* Walker** - Holloway (2003) transferred the species known as *Characoma nilotica* to the genus *Garella* when he discovered that most of the species assigned to *Characoma* Walker are not congeneric with the type-species of *Characoma* from Borneo.
- 177 ***Nycteola* Hübner** - The genus *Dufayella* Capuse was synonymized with *Nycteola* by Fibiger (2009).
- 178 ***Nycteola scriptana*** - Synonymy and revised status by Poole (1996).
- 179 **“*Afrida*” *exegens*** - Kitching and Rawlins [1998] placed *Afrida* in the Nolidae. It had previously been included in the Arctiinae: Lithosiini (Franclemont 1983). “*Afrida*” *exegens* was retained in the Arctiinae by Ferguson and Opler (2006) and Schmidt and Opler (2008) due to its uncertain generic affinity. DNA barcode data and morphology clearly place *exegens* near *Afrida* (sensu stricto) within the Nolidae.
- 180 **Family Noctuidae** - The family-group name Noctuidae was restricted to the Noctuoidea with a trifine hindwing and diagnosed by Fibiger and Lafontaine (2005). The name was later used in a more inclusive concept for all of the Noctuoidea with a quadrifid forewing by Lafontaine and Fibiger (2006). The more restrictive concept of the family Noctuidae of Fibiger and Lafontaine (2005) is reinstated here following Zahiri et al. (2010).
- 181 **Subfamily Plusiinae** - Classification follows Lafontaine and Poole (1991).
- 182 ***Enigmogramma* Lafontaine & Poole** - Genus proposed in Lafontaine and Poole (1991).
- 183 ***Ctenoplusia oxygramma*** - Generic combination and transfer from *Agrapha* Hübner by Lafontaine and Poole (1991).

- 184 ***Chrysodeixis* Hübner - *Pseudoplusia* McDunnough** is treated as a synonym of *Chrysodeixis* following Goater et al. (2003).
- 185 ***Chrysodeixis eriosoma*** - Recorded in significant numbers in several greenhouse complexes in southwestern British Columbia in 2005 and 2006 and occasionally was also found in the wild. An eradication program conducted in 2007 seems to have been successful. Occasionally detected in greenhouses, but it is unknown if it could establish out-of-doors populations in Canada.
- 186 ***Notioplusia* Lafontaine & Poole** - Genus proposed in Lafontaine and Poole (1991).
- 187 ***Polychrysia esmeralda*** - Treated as a distinct species that occurs in North America and eastern Asia and overlaps in range with *Polychrysia moneta* in south-central Asia (Lafontaine and Poole 1991).
- 188 ***Exyra* Grote** - The genus *Exyra* was transferred from the Acontiinae to the Plusiinae by Lafontaine and Poole (1991) and provisionally placed in the Euchalciina. Recent barcode data supports this placement.
- 189 ***Exyra rolandiana*** - Synonymy from Lafontaine and Poole (1991).
- 190 ***Autographa gamma*** - A Eurasian species added to the North American fauna because of its occurrence in Greenland (Lafontaine and Poole 1991).
- 191 ***Autographa buraetica*** - A Eurasian species recorded in North America in Yukon and Alaska (Lafontaine and Poole 1991).
- 192 ***Megalographa* Lafontaine & Poole** - Genus proposed in Lafontaine and Poole (1991) and revised by Lafontaine and Sullivan (2009).
- 193 ***Syngrapha ottolenguii*** - Generic transfer from *Autographa* Hübner and its status discussed by Lafontaine (1986a) and Lafontaine and Poole (1991).
- 194 ***Syngrapha lula* and *S. snowi*** - Synonymy from Lafontaine and Poole (1991).
- 195 ***Syngrapha alticola*** - Treated as a separate species from the Eurasian species *S. devergens* (Hübner, [1813]) by Lafontaine and Poole (1991).
- 196 **Subfamily Bagisarinae** - Treated as a subfamily following Kitching and Rawlins (1998). Concept expanded and redefined by Holloway (2009).
- 197 ***Bagisara laverna*** - First recorded in Arizona by Adams (2000). Now known to be resident in southeastern Arizona.
- 198 ***Amyna* Guenée** - The genus *Amyna* was moved from the Eustrotiinae to the Bagisarinae by Holloway (2009) mainly on the basis of larval characters, and discussed with additional characters by Wagner and Binns (2010).
- 199 ***Amyna axis*** - The synonymy of *Amyna octo* with *Amyna axis* by Walker was overlooked until corrected with an explanation in the check list of the Lepidoptera of Australia (Nielsen et al. 1996).
- 200 **Subfamily Cydosiinae** - Treated as a tribe of the Bagisarinae by Fibiger and Lafontaine (2005). The larvae, illustrated from Costa Rica by Janzen and Hallwachs (<http://janzen.sas.upenn.edu/caterpillars/database.lasso>) are not at all like those of the Bagisarinae, but have long rod-like SD setae on A 1–3 and five pairs of prolegs. They are treated here as the subfamily

- Cydosiinae, **stat. n.** until the phylogenetic associations of the genus are determined.
- 201 *Cydosia phaedra* - Synonymy from Poole (1989).
- 202 **Subfamily Eustrotiinae** - The status of the Eustrotiinae as a separate subfamily from the Acontiinae is discussed by Kitching and Rawlins [1998] and Fibiger and Lafontaine (2005).
- 203 *Tripudia damozela* - Described from Mexico, this is the same species as *T. inquaesita*, **syn. n.** described from Arizona.
- 204 *Tripudia munna* - Recorded in southern California and southern Arizona. It is closely related to *Tripudia damozela*, but the median line is much straighter and the genitalia differ. Vouchers are in CNC and USNM.
- 205 *Tripudia quadrifera* - This species was shown to be a species complex by Pogue (2009) with *T. quadrifera* confined in the United States to Texas. *Tripudia rectangula* occupies most the remainder of the North American range, and two additional species, *T. grapholithoides* and *T. lamina*, occur in Florida where they are sympatric with *T. rectangula*.
- 206 *Tripudia versutus* - This was listed as a valid species in Franclemont and Todd (1983), but as a senior synonym of *Tripudia goyanensis*. Both names represent distinct species in different species groups. Examination of the type material of *T. versutus* shows it to be a valid species, but a species in the *T. flavofasciata* species group. *Tripudia flavofasciata* is a complex of species and *T. versutus*, **stat. rev.** [type in USNM] and *T. flavofasciata* [type in BMNH] refer to two of about six species in the complex.
- 207 *Tripudia goyanensis* - This name is reinstated as a valid species with the transfer of *Tripudia versutus* to the *Tripudia flavofasciata* species complex, so *T. olivacea*, **syn. rev.** is a synonym of *T. goyanensis*.
- 208 *Cobubatha punctifinis* - *Cobubatha punctifinis* Hampson, **syn. n.**, described from the Bahamas, is a synonym of *Cobubatha metaspliaris* Walker, described from Dominican Republic.
- 209 *Cobubatha ochrocraspis* - This species occurs in southern Texas but previously was listed as *C. metaspilaris*, a species confined to southern Florida and the Caribbean.
- 210 *Cobubatha lixiva* - *Cobubatha basicinerea* (Grote), **syn. n.**, and *Cobubatha lixinites* (Dyar), **syn. n.**, are synonymized with *C. lixiva* (Grote) on the basis of genital structure and barcode data.
- 211 *Cobubatha orthozona* - *Cobubatha antonita* (Dyar), **syn. n.**, and *C. victrix* (Dyar), **syn. n.**, are synonymized with *C. orthozona* (Hampson) on the basis of genital structure and barcode data.
- 212 *Cobubatha ipilla* - Recorded in the Big Bend area of western Texas by Ed Knudson (vouchers in TLS Collection, Houston). *Cobubatha rustica* Dyar, **syn. n.**, is synonymized with *C. illipa* Dyar on the basis of genital structure and wing markings.

- 213 *Cobubatha megaplaga* - Recorded in Texas by Ed Knudson (vouchers in TLS Collection, Houston).
- 214 *Marimatha* Walker - The type-species of *Marimatha*, *M. dinumeratalis* Walker is congeneric with *Xanthoptera nigrofimbria*, the type-species of *Thioptera* Franclemont. The North American species are revised by Ferris and Lafontaine (2010).
- 215 *Marimatha aurifera* - This is a South American species described from Brazil. Florida and Texas material has been reidentified as *M. tripuncta* by Ferris and Lafontaine (2010).
- 216 *Deltote bellicula* - Generic combination from Ueda (1984).
- 217 *Protodeltote* Ueda - Ueda's (1984, 1987) revision of the *Deltote* R. L. [the name of the author "R. L." is unknown] group of genera was restricted to the fauna of Japan and Taiwan, although the North American species *Lithacodia bellicula* was included because it is the type-species of *Lithacodia* Hübner, a synonym of *Deltote* R. L. The valves of "*Lithacodia*" *muscosula* (Guenée) and "*L.*" *albidula* (Guenée) are similar to those of *Deltote bellicula*, but the wing pattern and vesica characters are similar to those of the Eurasian species "*Lithacodia*" *pygarga* (Hufnagel, 1766), which Ueda (1984) made the type-species of *Protodeltote* Ueda, so these two North American species are transferred to *Protodeltote* as *P. muscosula* (Guenée), **comb. n.** and *P. albidula* (Guenée), **comb. n.**
- 218 "*Lithacodia* Hübner" - These three species do not belong in any of the described genera in the Eustrotinae, so they are retained in *Lithacodia* of authors (written as "*Lithacodia*") until generic names are available.
- 219 "*Lithacodia*" *costaricana* - The aberrational and unavailable name *Lithacodia musta* ab. *costaricana* Strand, 1917, described from Costa Rica, was raised to species status and validated as *Lithacodia costaricana* Franclemont and Todd, 1983 when specimens resembling *L. costaricana* were found to occur in southwestern United States. Material from Arizona shows significant differences in the male genitalia from *L. costaricana*, and also from the similar *Lithacodia mustapha* Dyar, [holotype in USNM], described from southern Mexico, so the Arizona material is listed as an undescribed species.
- 220 "*Lithacodia*" *phya* - *Lithacodia penthis* (Schaus) was listed by Franclemont and Todd (1983) as occurring in the United States. Examination of the holotype of *Eustrotia penthis* Schaus in USNM and that of *Acontia phya* Druce in BMNH, shows that the material from Arizona is the latter species. Although the two species are similar, "*Lithacodia*" *phya* is smaller (forewing length 8 mm versus 10 mm), the basal pinkish-white patch is much shorter and rounder, the reniform spot is more quadrangular, and the tegumen in the male genitalia is wider.
- 221 *Maliattha* Walker - Generic combinations from Poole (1989).
- 222 **Eustrotiinae (incertae sedis)** - These three genera are misplaced in the Eustrotiinae but at present no better subfamily placement is known.



- 223 ***Ozarba fannia*** - Barnes and McDunnough (1913a) identified material of *Ozarba* Walker from western Texas as *Ozarba fannia* (Druce), but later (Barnes and McDunnough 1913b) reidentified it as *O. aeria* (also as *O. aeria* in Franclemont and Todd 1983). The holotype of *Ozarba fannia* from Mexico is a form in which the forewing ground color is reddish brown and this form occurs northward to Arizona and western Texas, whereas typical material of *O. aeria* from eastern United States (including the holotype of *Ozarba aeria* from Wisconsin) has a gray-brown forewing. Both forms occur together in many areas of western United States and we see no evidence that they are more than color forms of a single species.
- 224 **Subfamily Acontiinae** - The more restricted characterization of the Acontiinae follows Kitching and Rawlins (1998) and Fibiger and Lafontaine (2005).
- 225 ***Ponometia* Herrich-Schäffer** - Generic treatment, generic combinations, and synonymy of *Tarachidia* Hampson, *Fruva* Grote, and *Conochares* Smith with *Ponometia* follow Lafontaine and Poole (2010).
- 226 ***Ponometia fumata*** - Revised status by Lafontaine and Poole (2010).
- 227 ***Ponometia catalina*** - Synonymy (as *Conochares catalina*) by Mustelin (2006).
- 228 ***Ponometia elegantula*** - Synonymy by Lafontaine and Poole (2010).
- 229 ***Tarache* Hübner** - Generic treatment, generic combinations, and synonymy of *Hemispragueia* Barnes & Benjamin and *Therasea* Grote with *Tarache* follow Lafontaine and Poole (2010).
- 230 ***Tarache alessandra*** - This name is a synonym of *T. quadriplaga*, not *T. tetragona* (Lafontaine and Poole 2010).
- 231 ***Tarache areli* species complex** - This group of species was revised by Ferris and Lafontaine (2009) as the *Acontia areli* species-group. It is treated as the *Tarache areli* subgroup of the *Tarache bilimecki* species-group by Lafontaine and Poole (2010).
- 232 ***Tarache flavicosta*** - Synonymy from Schmidt and Anweiler (2010a).
- 233 ***Tarache orba*** - *Tarache orba* (Smith), **syn. n.** is the dark female form of *T. huachuca*.
- 234 ***Tarache acerba*** - *Fruva acerba* H. Edwards, 1881 became a secondary homonym of *Acontia acerba* Felder & Rogenhofer, 1874 when both species were moved into *Acontia*. Poole proposed the replacement name *Acontia acerboides* Poole, 1989. With the transfer of *Fruva acerba* to the genus *Tarache* Hübner the names are no longer homonyms so the name *Tarache acerba* (H. Edwards) is reinstated and *Acontia acerboides* Poole placed in synonymy with it.
- 235 ***Tarache axendra*** - Todd (1982) mentions that the type material of *Acontia disconnecta* is a mixed series. However, the lectotype he selected in AMNH is a specimen of *Acontia bimileki*. The name *Tarache axendra* Schaus, described from Mexico, is available for this species (Lafontaine and Poole (2010).
- 236 ***Acontia Ochsenheimer*** - Generic treatment and redefinition of the genus *Acontia* follow Lafontaine and Poole (2010).

- 237 *Acontia eudryada* - Synonymy from Lafontaine and Poole (2010).
- 238 *Acontia jaliscana* - Recently found in Texas (Knudson, pers. comm.). Voucher in TLS Collection, Houston.
- 239 **Subfamily Pantheinae** - The Pantheinae were raised to family status by Kitching and Rawlins (1998) but reinstated to subfamily status by Fibiger and Lafontaine (2005).
- 240 *Panthea Hübner* - Taxonomic treatment of *Panthea* follows Anweiler (2009).
- 241 *Panthea furcilla*, *P. virginarius* - Synonymy from Anweiler (2009).
- 242 *Charadra Walker* - Taxonomic treatment and synonymy follows Schmidt and Anweiler (2010b).
- 243 *Charadra ingenua* - The type specimen of this species, described from Colorado, is a synonym of *C. deridens*. The southwestern species described by Schmidt and Anweiler (2010b) as *C. moneta* was identified as *C. ingenua* in most collections.
- 244 **Subfamily Diphtherinae** - Subfamily and taxonomic position from Fibiger and Lafontaine (2005).
- 245 **Subfamily Dilobinae** - The subfamily Raphinae Beck, 1996 was synonymized with Dilobinae Aurivillius, 1889 by Fibiger et al. (2009). They list a series of character states shared by *Diloba* Boisduval and *Raphia* Hübner.
- 246 *Raphia abrupta* - We tentatively retain *R. abrupta* as a species distinct from *R. frater*. Despite the lack of differences in morphology and DNA barcodes, there appears to be no clinal or local variation in phenotypes between the two taxa, with *R. abrupta* occurring from New Jersey to northern Kentucky and Kansas southward, and *R. frater* to the north. More study specimens are needed from the regions where *abrupta* presumably replaces *frater*.
- 247 *Raphia frater* - We treat *Raphia coloradensis* as a synonym of *R. frater* because specimens from ecological transition zones in southern Alberta, southern British Columbia and the edges of the Great Basin are extremely variable, ranging in phenotype from the pale, dusty *coloradensis* form to the grey boreal *frater* form, congruent with the lack of detectable differences in male and female genitalic structure between these forms. DNA barcode data supports this concept of a single phenotypically variable species.
- 248 *Raphia pallula*, *R. elbea* - The situation in *Raphia* is complex in the West, where *R. pallula* (TL: Siskiyou Co., California) and *R. elbea* (TL: Deming, New Mexico) appear to intergrade imperceptibly with the pale form of *frater* occurring in the Great Basin and Rocky Mountain region, despite relatively large DNA barcode divergences between all three taxa. Clearly more research is needed on the status of these taxa.
- 249 *Raphia cinderella*, *R. piazzzi* - In contrast to the other *Raphia* species, examination of the type specimens, lack of evidence for geographic clinal variation, and subtle genitalic structural differences, suggest that *R. cinderella* (TL: Los Angeles Co. California) and *R. piazzzi* (TL: Brownsville, Texas) are species distinct from *R. frater*.

- 250 **Subfamily Balsinae** - Taxonomic position discussed by Lafontaine and Fibiger (2006).
- 251 *Acronicta dactylina*, *A. grisea* - Synonymy from Schmidt and Anweiler (2010a).
- 252 *Acronicta cyanescens* - Treated as a valid species following Schmidt and Anweiler (2010a).
- 253 *Acronicta vulpina* - Treated as a valid species by Kononenko et al. (1989) and Mikkola et al. (1991). It occurs in North America and eastern Asia and its range overlaps that of *Acronicta leporina* (Linnaeus, 1758) in southern Siberia. Recent molecular data from the Barcode of Life Project support this conclusion.
- 254 *Acronicta falcula* - *Acronicta falcula* (Grote, 1877), *A. parallela* (Grote, 1879), **syn. n.**, and *A. mansueta* Smith, 1897, **syn. n.**, do not differ in genitalia or COI *mtDNA* data and are synonymized here. Specimens from the Pacific Northwest (**syn. A. mansueta**) tend to have more black shading on the lower margin of the forewing than those from elsewhere. *Acronicta falcula* was characterized by having the thoracic vestiture mainly of hair-like scales, but the amount of hair-like versus broad scales varies with locality. Recent molecular data from the Barcode of Life Project supports this conclusion.
- 255 *Acronicta furcifera*, *A. pruni*, *A. subochrea*, *A. caesarea* - These four taxa were inadvertently listed as valid species by Franclemont and Todd (1983) after being synonymized in Forbes (1954). The synonymy of the first three was corrected by Rings et al. (1992).
- 256 *Acronicta increta* - The taxonomy of this species and its relatives is in need of research involving rearings, host plant associations, and larval characters. Also, the location and identity of some type specimens are uncertain. The sequence of species in this complex (*A. albarufa* to *A. retardata*) follows that of Forbes (1954).
- 257 *Acronicta impressa* - The range of variation of this species is believed to include the taxa described as *A. distans* **syn. n.** and *A. acla*, **syn. n.** and are synonymized due to the lack of any diagnosable differences.
- 258 *Acronicta arioch* - *Acronicta arioch* Strecker, **syn. n.**, is a large southern form of *Acronicta oblinita*.
- 259 *Merolonche* Grote - The genus *Merolonche* is a polyphyletic group of species in the *Acronicta impressa* group characterized by hairy body vestiture with hair-like scales partly obscuring the eyes. The habitus is associated with adults occurring in cold conditions due to season or occurrence in Arctic and Alpine habitats, so we synonymize *Merolonche*, **syn. n.** with *Acronicta*. Generic combinations are *Acronicta lupini* **comb. rev.**, *A. australis*, **comb. n.**, *A. dolli*, **comb. n.**, and *A. spinea*, **comb. n.**
- 260 *Acronicta lupini* - *Acronicta atlinensis*, **syn. n.**, **comb. n.** is a form of *Acronicta lupini* **comb. rev.** *Acronicta ursina*, **comb. n.** was synonymized with *A. lupini* by Schmidt and Anweiler (2010a).
- 261 *Simyra henrici* - Synonymy by Becker (2002).

- 262 ***Comachara* Franclemont** - The genus *Comachara* was transferred to the Acronictinae by Wagner et al. (2006).
- 263 ***Cerma* Hübner** - The genus *Cerma* was transferred to the Acronictinae by Wagner et al. (2006) and discussed further by Wagner (2007a, 2007b).
- 264 **Subfamily Metoponiinae** - This subfamily was resurrected by Fibiger and Lafontaine (2005) for Eurasian species formerly associated with the Acontiinae and the Stiriinae.
- 265 ***Tyta luctuosa*** - This Eurasian species was released in North America as early as 1993 (Cao et al. 2003) as a biological control agent for field bindweed *Convolvus arvensis* L. Collection records from Utah in 2007 by James Vargo suggest it has become established. Voucher in CNC.
- 266 **Subfamily Cuculliinae** - The subfamily Cuculliinae of North American was redefined and revised by Poole (1995).
- 267 ***Cucullia obscurior*** - This taxon had been treated as a western subspecies of *C. florea* because western specimens generally lack the reddish-gray shading along the forewing costa. Poole (1995) treated *C. obscurior* as a valid species because specimens matching the *C. florea* and *C. obscurior* phenotypes were found to occur together in areas of Washington and Utah. In spite of these phenotypes occurring together in these two areas, the variability of this character in other areas of the west make it very difficult to assign many specimens to one name or the other, so specimens with an entirely gray forewing are treated as a form of *C. florea* (= *C. obscurior*, **syn. n.**).
- 268 ***Cucullia* synonymy** - Synonymy of *Cucullia arizona*, *C. luteodisca*, *C. jemezensis*, *C. brucei*, *C. ketchikana*, and *C. albicinerea* are from Poole (1995).
- 269 ***Cucullia umbratica*** - This Eurasian species was found to be abundant on Île de la Madeleine in eastern Quebec (Handfield and Handfield 2010). Vouchers are in the CNC and the collection of L. Handfield, Mont-St.-Hilaire, Quebec.
- 270 ***Cucullia dorsalis*** - Treated as a valid species by Poole (1989, 1995).
- 271 ***Cucullia eccissica*** - Recorded from Arizona and California by Poole (1995).
- 272 ***Copicucullia* Smith** - The genus *Copicucullia* was synonymized with *Cucullia* Schrank by Poole (1989) resulting in eight new and two revised combinations.
- 273 ***Nycterophaeta* Smith** - The genus *Nycterophaeta* was synonymized with *Cucullia* Schrank by Poole (1995) as a new combination.
- 274 ***Rancora* Smith** - The genus *Rancora* was synonymized with *Cucullia* Schrank by Poole (1989) resulting in eight new or revised combinations.
- 275 ***Cucullia solidaginis*** - Synonymy from Poole (1989).
- 276 ***Lathosea* Grote** - The genus *Lathosea* was synonymized with *Cucullia* Schrank by Poole (1989) resulting in three new combinations.
- 277 ***Cucullia spaldingi*** - The species was originally spelled *spauldingi* and was spelled this way in Poole (1989). It was treated as an incorrect original spelling by Franclemont and Todd (1983) because the name is based on Tom Spalding, the collector of the specimens, but there is no indication in the paper that the name was misspelled. The name was synonymized with *C. pulla* by Poole (1995).



- 278 ***Dolocucullia* Poole** - The genus *Dolocucullia* was proposed by Poole (1995) resulting in two new combinations.
- 279 **Subfamily Amphipyridae** - The subfamily name Amphipyridae was used in a very broad sense by Franclemont and Todd (1983), basically following the concept of Hampson (1908) with the removal of a few groups like the Acronictidae. More recently, the subfamily was greatly restricted to a few genera by Poole (1995), Kitching and Rawlins (1998), and many others. On the basis of variability in larval and genital characters, the subfamily Psaphididae was combined with the Amphipyridae as a tribe and the various tribes of the Psaphididae diagnosed in Poole (1995) were reduced to subtribes of the Psaphidini by Wagner et al. (2008).
- 280 **Tribe Psaphidini** - This tribe was treated as the subfamily Psaphididae with four tribes by Poole (1995) and the tribe Psaphidini was revised. The subfamily and tribes were reclassified as a tribe and four subtribes of the subfamily Amphipyridae by Wagner et al. (2008).
- 281 ***Psaphida* Walker** - Generic combinations from Poole (1989) through the synonymy of *Copipanolis* Grote, and *Eutolype* Grote with *Psaphida*.
- 282 **Subtribe Feraliina** - Characterized and revised in part by Poole (1995) with status revised and composition expanded by Wagner et al. (2008).
- 283 ***Miracavira*, *Paratrachea*, *Apsaphida*, *Viridemas*** - Classification revised in Wagner et al. (2008).
- 284 **Subtribe Nocloina** - Described by Poole (1995) with status revised in Wagner et al. (2008).
- 285 ***Paramiana* Barnes & Benjamin, *Eumiana* Barnes & Benjamin** - These two genera require major revision.
- 286 ***Eumiana exculta*** - *Eumiana exculta*, **comb. n., syn. n.**, is a synonym of *Eumiana endopolia*.
- 287 **Subtribe Triocnemidina** - Described by Poole (1995) with status revised in Wagner et al. (2008).
- 288 ***Unciella* Troubridge** - Troubridge (2008) proposed the genus *Unciella* for two species formerly placed in *Oncocnemis* Lederer and transferred them from the Oncocnemidinae to the Psaphididae, tribe Triocnemidini, herein treated as a subtribe of the Amphipyridae: Psaphidini following Wagner et al. (2008).
- 289 ***Aleptina* Dyar** - The genus *Aleptina* was revised by Todd et al. (1984) in the Acontiinae. We transfer it and *Copibryophila* Smith, *Metaponpneumata* Möschler, and *Airamia* Barnes & Benjamin to the Triocnemidina.
- 290 ***Aleptina aleptivoides*, *A. semiatra*** - Generic combinations by Todd et al. (1984).
- 291 ***Aleptina clinopetes*** - First reported in United States by Todd et al. (1984).
- 292 ***Cropia ruthaea*** - Reported from Texas by Knudson and Bordelon (2004).
- 293 **Tribe Stiriini** - This tribe was revised as a subfamily by Poole (1995), but did not include the subtribe *Annaphilina*, which was later proposed by Mustelin (2006).
- 294 **Subtribe Stiriina** - Adapted from revision by Poole (1995).



- 295 ***Plagiomimicus* Grote** - Generic combinations through synonymy with ***Stibadium*** Grote, and ***Polenta*** Morrison with *Plagiomimicus* by Poole (1995).
- 296 ***Plagiomimicus mavina*** - Synonymy from Poole (1995).
- 297 ***Plagiomimicus navia*** - This species, declined to *navium* in Franclemont and Todd (1983), does not belong in the genus *Plagiomimicus*, nor in the Stiriini. Accordingly, it was omitted from Poole (1995), but is reinstated here until it is classified elsewhere in the family.
- 298 ***Cuahtemoca unicum*** - Generic combination from Poole (1995).
- 299 ***Lineostriataria* Poole, *Hoplolythroides* Poole** - Genera and generic combinations from Poole (1995).
- 300 ***Chrysoecia atrolinea*** - Revised status from Poole (1995).
- 301 ***Chrysoecia thoracica*** - Generic combination from Poole (1995).
- 302 ***Cirrhophanus pretiosa*** - Revised species status by Poole (1989) and (1995).
- 303 ***Eulithosia* H. Edwards** - Generic combinations from Poole (1995).
- 304 ***Angulostiria chryseochilus*** - Reported from United States with genus and generic combination from Poole (1995).
- 305 ***Stiria intermixta*** - Revised status and report from United States from Poole (1995).
- 306 **Subtribe Grotellina** - Described by Poole (1995) with status revised in Wagner et al. (2008).
- 307 **Subtribe Azeniina** - Described by Poole (1995) with status revised in Wagner et al. (2008).
- 308 ***Argentostiria* Poole** - Genus and generic combination from Poole (1995).
- 309 **Subfamily Oncocnemidinae** - The Oncocnemidini Franclemont & Forbes, 1954 was treated as the subfamily Oncocnemidinae by Poole (1995) and redescribed by Troubridge (2008). There is an older name for the subfamily, namely Cleophaninae Heinemann, 1859 based on the genus *Cleophana* Boisduval, Rambur & Graslin, a junior objective synonym of *Calophasia* Stephens. The name has not been used as a family-group name since the mid-1800's, so we treat it as a *nomen oblitum*. The family-group name Stilbiidae Guenée, 1852 is based on the genus *Stilbia* Stephens. *Stilbia* and its close relatives were associated with the Oncocnemidini [as a tribe of the Cuculliinae] by Ronkay et al. (2001) on the basis of similarities in the genitalia such as the ventral clasper and the cornuti-covered vesica. These characters, however, are shared by the Oncocnemidinae, Amphipyridae, and the Old World subfamily Metoponiinae. Beck (1996, 1999-2000) includes the *Stilbia* group of genera in the subtribe Stilbiina in the tribe Stiriini sensu Beck [not Grote] on the basis of larval characters. This Old World group of genera is now in the Metoponiinae, the Stiriina being restricted to the New World and included in the Amphipyridae. We retain the current usage of the name Oncocnemidinae until the phylogenetic relationships of the Oncocnemidinae, Amphipyridae, and Metoponiinae are better understood. The subfamily name Stilbiinae would have priority over the Oncocnemidinae and the Metoponiinae.

- 310 ***Catabenoides* Poole** - Genus and generic combinations by Poole (in Becker and Miller 2002).
- 311 ***Neogalea esula*** - Combination and synonymy of *N. sunia* from Poole (1989). The species name *sunia* was associated with *Spodoptera* Guenée in Franclemont and Todd (1983).
- 312 ***Pleromelloida conserta*** - This species occurs as two colour forms, a predominantly grey form and a form with the medial area largely suffused with black. Genitalic structure and DNA barcode sequences of these forms are not distinguishable. Examination of the type specimen of *P. obliquata* [USNM] shows that this name is attributable to the paler form, and *P. obliquata*, **syn. nov.** is a junior synonym.
- 313 ***Copanarta nigerrima*** - Synonymy from Troubridge (2008).
- 314 ***Copanarta sexpunctata*** - Generic combination from Troubridge (2008).
- 315 ***Oncocnemis* Lederer** - The genus ***Oncocnemis*** was synonymized with *Sympistis* Hübner by Troubridge 2008. New combinations are from Troubridge (2008) unless otherwise indicated.
- 316 ***Lepipolys* Guenée** - Generic synonymy of ***Lepipolys*** with *Sympistis* and new combinations from Troubridge (2008).
- 317 ***Sympistis mus*, *S. retroversa*, *S. phairi*, *S. simplicia*** - Synonymy from Troubridge (2008).
- 318 ***Sympistis subsimplex*** - Generic transfer from *Oxycnemis* Dyar from Troubridge (2008).
- 319 ***Hemistilbia* Barnes & Benjamin** - Generic synonymy of ***Hemistilbia*** with *Sympistis* and new combinations from Troubridge (2008).
- 320 ***Homohadena* Grote** - Generic synonymy of ***Homohadena*** with *Sympistis* and new combinations from Troubridge (2008).
- 321 ***Homohadena* species** - Revised species status and new combinations with *Sympistis* by Troubridge (2008).
- 322 ***Sympistis poliochroa*, *S. chandleri*** - Revised species status and synonymy of *S. colorado* discussed by Troubridge (2008).
- 323 ***Sympistis aqualis*** - Revised species status and synonymy of *S. sala* by Troubridge (2008).
- 324 ***Sympistis major*** - Revised species status by Troubridge and Crabo (1999).
- 325 ***Sympistis riparia deserticola*** - This taxon was raised to species status by Troubridge (2008), mainly on the basis of significant (3.5%) differences in the barcodes (COI mitochondrial DNA sequences) of *deserticola* as compared with other taxa in the *riparia* group. This conclusion, however, was based on a population in the Owens Valley. Populations in southwestern California near the type locality of *deserticola* have the same barcodes as those of *S. major* from Mono Lake, California and elsewhere in the Great Basin, so *deserticola* is relegated to the synonymy of *S. major*, **syn. rev.** It will require more research to determine if the Owens Valley population is a separate species or a genetically divergent population of *S. major*.

- 326 *Homoncocnemis* Barnes & Benjamin - Generic synonymy of *Homoncocnemis* with *Sympistis* and new combination by Troubridge (2008).
- 327 *Sympistis picina* - Revised species status by Poole (1989). Generic combination by Troubridge (2008).
- 328 *Adita Grote* - Generic synonymy of *Adita* and *Sympistis* and new combination by Troubridge (2008).
- 329 *Apharetra Grote*- Generic synonymy of *Apharetra* with *Sympistis* and new combinations by Troubridge (2008).
- 330 *Apharetra dentata* - Synonymy of *A. pyralis* and *A. purpurea* with *A. dentata* by Poole (1989).
- 331 *Sympistis extremis* - Revised species status from Troubridge and Crabo (1999). Generic combination from Troubridge (2008).
- 332 *Sympistis definita* - Revised species status from Troubridge (2008).
- 333 *Sympistis melaleuca* - Synonymy from Mikkola and Jalas (1979).
- 334 *Sympistis zetterstedtii* - The Arctic and Subarctic species *Sympistis zetterstedtii* was treated as a northern subspecies of *Sympistis nigrita*, which occurs in central Europe by Ronkay and Ronkay (1995). *Sympistis nigrita zetterstedtii* occurs across northern Eurasia and into northwestern North America.
- 335 *Sympistis zetterstedtii kolthoffi* - Troubridge 2008 followed Franclemont and Todd 1983 in treating the taxon *S. labradoris* (Staudinger, 1901) as a subspecies, but under the species *S. nigrita* instead of *S. zetterstedtii*. He then treated *S. kolthoffi* (Aurivillius, 1890) and *S. besla* (Skinner and Mengel, 1891) as new synonyms of subspecies *zetterstedtii*. For those wishing to recognize subspecies, *zetterstedtii* is primarily an Old World taxon with an entirely dark hindwing. It occurs in North America in Alaska and Yukon, but intergrades with the North American form, which has the basal two-thirds of the hind wing pale, in southern Yukon. At the subspecific level, *kolthoffi* is the oldest available name for the North American form, so *labradoris* and *besla* should be synonymized under *Sympistis nigrita kolthoffi*.
- 336 *Sympistis besla*, *S. labradoris* - These taxa are synonyms of *S. zetterstedtii* at the species level and synonyms of *S. kolthoffi* at the subspecies level.
- 337 *Sympistis pallidior* - Revised species status from Troubridge (2008).
- 338 *Euscirrhopterus poeyi* - Reported from Florida by Dickel (1991); voucher illustrated from the Dickel Collection, Anthony, Florida.
- 339 *Psychomorpha epimenis euryrhoda* - Florida populations of *Psychomorpha epimenis*, formerly known as *P. euryrhoda*, **syn. n.**, have more extensive coppery-brown shading in the hindwing than those from farther north, however the two forms grade together where their ranges meet, so it is treated as *Psychomorpha epimenis euryrhoda*, **stat. n.**
- 340 *Alypia dipsaci* - The name *Alypia dipsaci*, **syn. n.** represents a female specimen of *Alypia octomaculata*, nominally from California, but likely mislabelled. *Alypia langtoni* is the expected species in the Sierra Nevada, but the holotype

- of *Alypia dipsaci* in AMNH has two white spots on the hindwing, whereas the female of *A. langtoni* has a single white spot.
- 341 ***Alypia octomaculata matuta*** - The taxon *matuta* is revised to the status of a subspecies of *Alypia octomaculata* by Powell and Opler (2009). It intergrades with the typical eastern form of *A. octomaculata* where their ranges meet in the eastern Great Plains.
- 342 ***Alypia brannani*** - The name *Alypia brannani*, **comb. rev.**, **syn. n.** represents a male of *Alypia langtoni*, a boreal zone species that extends southward in the Sierra Nevada. Stretch, in describing the species, associated it with *Androloma maccullochii* (as its synonyms *A. lorquini* (Grote & Robinson) and *A. similis* (Stretch)) because of the semitranslucent area posterior to the inflated costa. Examination of the holotype in AMNH shows that the holotype only has a slight swelling, similar to that in *A. langtoni*, and the clear area posterior to the costa is rubbed.
- 343 **Subfamily Condicinae** - Classification follows Poole (1995). Beck (1996, 1999–2000) has used the family group name Placodina Guenée, 1852 for the genus *Eucarta* Lederer, which is closely related to *Leuconycta* Hampson, the type species of Leuconyctini Poole, 1995. However, the genus *Placodes* Boisduval, 1840 is a junior homonym of *Placodes* Erichson, 1834 in the Coleoptera, and a family group name based on a junior homonym is unavailable.
- 344 ***Perigea enixa*** - This species, which occurs in the Hill Country of west-central Texas, is treated as a full species because it differs in genital characters, COI mtDNA, and is paler than *Perigea xanthioides* from farther east.
- 345 ***Perigea berinda*** - Recorded in Texas (Knudson and Bordelon 2004) and in southeast Arizona by Bruce Walsh.
- 346 ***Condica* Walker** - Generic synonymy of *Platysenta* Grote with *Condica* by Poole (1989) resulted in 14 new combinations for species listed under *Platysenta* in the Franclemont and Todd (1983) check list.
- 347 ***Condica claufacta*** - The holotype of *Xylina claufacta*, **syn. n.**, in the BMNH from East Florida is a specimen of the species also known as *Condica cervina*.
- 348 ***Condica punctifera*** - Reported from Florida by Dickel (1991); voucher illustrated from the Dickel Collection, Anthony, Florida.
- 349 ***Condica vacillans*** - Reported from Texas by (Knudson and Bordelon 2004).
- 350 ***Condica parista*** - Reported from Texas (Knudson and Bordelon 2004) as *Condica pyromphalus* (Dyar), but after comparison with the holotypes of *C. pyromphalus* and *C. parista* (Schaus) in USNM the specimens were reidentified as the latter species.
- 351 ***Condica hypocritica*** - A female in USNM from Laguna Atascosa, Texas was reported as *Condica hypocritica* (Dyar) by Franclemont and Todd (1983) and as *Condica subornata* (Walker) by Knudson and Bordelon (2004). The specimen has been reidentified as an undescribed species after examination of the holotypes of *C. hypocritica* in USNM and *C. subornata* in the BMNH.



- 352 ***Draudtia* Barnes & Benjamin** - Generic synonymy of ***Draudtia*** with *Condica* by Poole (1996).resulted in nine new combinations for species listed under *Draudtia* in the Franclemont and Todd (1983) check list.
- 353 ***Condica funeralis*** - Synonymy by Mustelin (2006).
- 354 ***Ogdoconta lilacina*** - The species that occurs in southern Arizona that previously has been identified as *Ogdoconta lilacina* is now known to be misidentified after examination of the type material in the BMNH.
- 355 ***Fotella notalis*** - Comparison of the types of species of *Fotella* in USNM shows that all four names are referrable to *Fotella notalis* [Contributed by Michael Pogue]. *Fotella olivia* and *F. olivioides* were previously synonymized with *F. fragosa* by Mustelin (2006).
- 356 **Subfamily Heliothinae** - Classification based on Hardwick (1996).
- 357 ***Microhelias angelica*** - Synonymy from Hardwick (1996), but this may be a complex of species, so further research needed (Sears and Pogue pers. comm.).
- 358 ***Heliothodes diminutiva*** - Synonymy from Hardwick (1996), but this is a complex of many species; further research is in progress (Sears and Pogue pers. comm.).
- 359 ***Pyrrhia cilisca*** - Synonymy by Pogue et al. (2010).
- 360 ***Pyrrhia aurantiago*** - Generic combination from Pogue (2008).
- 361 ***Psectrotarsia suavis*** - Generic combination from Pogue (2007).
- 362 ***Heliothis stombleri*** - Synonymy from Hardwick (1996).
- 363 ***Heliothis acesias*** - Revised status by Hardwick (1994).
- 364 ***Heliocheilus lupatus*** - Revised status by Hardwick (1996).
- 365 ***Protoschinia* Hardwick** - The genus ***Protoschinia*** was synonymized with *Schinia* Hübner by Matthews (1991).
- 366 ***Schinia nuchalis*** - *Schinia nuchalis* was treated as a separate species from the Eurasian species *Schinia scutosa* by Hardwick (1996).
- 367 ***Thyreion* Smith** - The genus *Thyreion* was synonymized with *Schinia* Hübner by Hardwick (1970). It was reinstated as a genus in Franclemont and Todd (1983) but re-synonymized by Poole (1989) and Hardwick (1996).
- 368 ***Schinia rosea*, *S. stena*** - Synonymy from Hardwick (1996).
- 369 ***Schinia aetheria*** - Revised status by Hardwick (1996).
- 370 ***Schinia crotchii*** - Status revised in a revision of the *Schinia cupes* group by Pogue and Harp (2003b).
- 371 ***Schinia deserticola*** - Status revised by Hardwick (1996).
- 372 ***Schinia mexicana*** - Recorded in Copper Canyon, Huachuca Mountains, Cochise Co., Arizona in 2009 by Ken Osborne. Vouchers in Osborne Collection and USNM.
- 373 ***Schinia gracilenta*, *S. oleagina*** - Synonymies by Hardwick (1996).
- 374 ***Schinia sexata*, *S. intermontana*, *S. graefiana*** - Revised status by Hardwick (1996).
- 375 ***Schinia parmeliana*, *S. sordidus*, *S. nubila*, *S. diffusa*, *S. obscurata*, *S. edwardsii*** - Synonymies from Hardwick (1996).



- 376 *Schinia arizonensis* - Name proposed by Hardwick 1996 is a *nomen nudum*, so the species was redescribed by Pogue (2006) as *Schinia angulilinea*.
- 377 *Schinia siren*, *S. arcigera*, *S. miniana*, *S. masoni*, *S. sanguinea* - Synonymies from Hardwick (1996).
- 378 *Schinia acutilinea* - Synonymy from Hardwick (1996), but recent research by Pogue (pers. comm.) indicates several species are included under this name.
- 379 *Schinia walsinghami* - Synonymy from Hardwick (1996).
- 380 *Schinia tertia* - Revised synonymy from Pogue and Harp (2004).
- 381 *Schinia albafascia*, *S. brunnea* - Revised status by Pogue and Harp (2004).
- 382 *Schinia erosa* - Revised status by Hardwick (1996) and discussed by Pogue and Harp (2004).
- 383 *Schinia coercita* - Revised status by Hardwick (1996).
- 384 *Schinia unimacula* - Revised status and revised synonymy by Pogue and Harp (2003a).
- 385 *Schinia blanca* - Name proposed by Hardwick 1996 is a *nomen nudum*, so the species was redescribed by Pogue (2006).
- 386 *Schinia chrysellus* - Synonymy by Hardwick (1996).
- 387 *Schinia alencis* - Revised status from Pogue and Harp (2005).
- 388 *Schinia tenuescens* - Synonymy by Hardwick (1996).
- 389 *Heliolonche pictipennis* - Synonymy by Hardwick (1996).
- 390 *Heliolonche joaquinensis* - The name is based on a description of the larva by Hardwick (1996). The adult was formally described by Pogue (2006).
- 391 **Subfamily Eriopinae** - Classification follows Kitching and Rawlins [1998] and Fibiger and Lafontaine (2005).
- 392 *Callopietria jamaicensis* - Reported from Florida by Dickel (1991); voucher illustrated from the Dickel Collection, Anthony, Florida.
- 393 **Subfamily Bryophilinae** - Classification follows Kitching and Rawlins [1998] and Fibiger and Lafontaine (2005). The relationship between Old World and New World Bryophilinae is uncertain (see below).
- 394 ***Cryphia* Hübner** - Genitalic structure and wing pattern of the North American species previously included in *Cryphia* show that they are not congeneric with true *Cryphia* of the Palaearctic; all generic synonyms of *Cryphia* also apply to Palaearctic species; the European members of this group were recently revised by Fibiger et al. (2009). As such, no generic name is currently available for the Nearctic bryophilines, and they are in need of revision. One species previously placed in *Cryphia* is here transferred to the Elaphriini as “*Elaphria*” *cyanympa* (see note 412). “*Cryphia*” *viridata* was transferred to the genus *Bryolymnia* by Lafontaine, Ferris, and Walsh (2010).
- 395 “*Cryphia*” *galva* - Synonymy by Adams and McCabe (1990).
- 396 “*Cryphia*” *fulvisparsa* - This name was inadvertently omitted from Franclemont and Todd (1983). When Hampson (1914) described *Bryophila fulvisparsa* **syn. nov.**, he was unaware that this species had already been described by

- Barnes and McDunnough (1911) as *Cerma flavidior*; the types of both taxa were examined.
- 397 ***Cryphia pallidioides*** - This is a replacement name for *C. pallida*, a secondary homonym (Poole 1989).
- 398 **Subfamily Noctuinae** - We follow the inclusive definition of the Noctuinae from Beck (1960) and Poole (1995). Fibiger and Lafontaine (2005) and Lafontaine and Fibiger (2006) arranged this group into three subfamilies, Xyleninae, Hadeninae, and Noctuinae s.s. Molecular data suggests that the Xyleninae is a paraphyletic group with at least four smaller generic clades segregating as sister groups to the Xyleninae + Hadeninae + Noctuinae, so we feel a more inclusive definition to this economically important group is better than creating numerous small subfamilies. The tribal and subtribal classification is adapted from Fibiger and Lafontaine (2005). The subfamilies Xyleninae, Hadeninae, and Noctuinae s.s. are treated as tribes of the Noctuinae s.l.
- 399 ***Pseudeustrotia carneola*** - Moved to the Noctuinae following Beck (1996) on the basis of numerous characters of the genitalia (position of the clasper) and larva (dorsally grooved spinneret and hair-like SD1 on A9). The generic combination is from Poole (1989).
- 400 ***Pseudeustrotia indeterminata*** - *Pseudeustrotia indeterminata*, **comb. n.**, is moved to *Pseudeustrotia* on similarities of the male genitalia with those of *P. carneola*.
- 401 ***Anterastria teratophora*** - Transferred to the tribe Pseudeustrotiini on the basis of male genital characters.
- 402 **Tribe Phosphilini** - This tribe was proposed by Poole (1995) in the Amphipyrrinae because of the very simple male valves in the genitalia. The larvae, however, have a dorsally grooved spinneret and a hair-like SD-1 seta on A9, clearly indicating an association with the Noctuinae.
- 403 ***Phosphila fernae*** - The species *Phosphila fernae*, **comb. n.** is misplaced in *Speocropia* Hampson. It is either a species related to *Phosphila miselioides* or a geographical form of it from Texas.
- 404 ***Phuphena tura*** - *Phuphena obliqua*, **syn. n.**, is a synonym of *P. tura*.
- 405 **Tribe Prodeniini** - Tribal classification adapted from Fibiger and Lafontaine (2005).
- 406 ***Spodoptera hipparis*** - This is a highly enigmatic member of the genus *Spodoptera* Guenée, however, the male genitalia and *mtDNA* both indicate a placement within *Spodoptera* (Pogue 2010).
- 407 ***Spodoptera androgea*** - Reported from Florida by Dickel (1991); voucher illustrated from the Dickel Collection, Anthony, Florida.
- 408 **Tribe Elaphriini** - Classification adapted from Fibiger and Lafontaine (2005).
- 409 ***Elaphria devara*** - Reported from Texas by Knudson and Bordelon (2004). Voucher specimens are in the TLS Collection, Houston, Texas.
- 410 ***Elaphria deltoides*** - Reported from Florida by Dickel (1991); voucher illustrated from the Dickel Collection, Anthony, Florida.

- 411 *Elaphria subobliqua* - Listed from Texas by Knudson and Bordelon (2004). Record based on a record from A. Blanchard.
- 412 “*Elaphria*” *cyanympa* - “*Elaphria*” *cyanympa*, **comb. n.** belongs in the *Elaphria* Hübner generic complex (Noctuidae: Elaphriini) rather than in *Cryphia* Hübner (Bryophilinae). Typical *Elaphria* have a forked clasper whereas that of “*E.*” *cyanympa* has a simple clasper, so its placement in *Elaphria* is provisional. The closely-related Puerto Rican species “*Elaphria*” *jucundella* (Dyar, 1922) **comb. n.** is here also transferred from *Cryphia*, where it was placed by Ferguson (1988).
- 413 *Bryolymnia ensina*, *B. viridata* - Generic combinations from Lafontaine, Walsh, and Holland (2010)
- 414 **Tribe Caradrinini** - Classification follows Fibiger and Lafontaine (2005).
- 415 *Caradrina* spp. - Generic combinations through synonymy with *Platyperigea* Smith by Poole (1989). Genus revised by Hacker (2004).
- 416 *Caradrina beta* - Genital structure and mtDNA show that *Caradrina beta*, **stat. n.**, is a separate species from *C. camina*.
- 417 *Caradrina montana* - Synonymy *C. extima* with *C. montana* by Kononenko et al. (1989).
- 418 *Caradrina distinctoides* - This is a replacement name for *Athetis distincta* Barnes a secondary homonym of *Caradrina distincta* Staudinger.
- 419 *Caradrina clavipalpis* - This is a European species that was first found in North America in Queens in New York City in 1993. In 2009 it was found in Rochester, New York by Jay Greenberg, so it appears to be established and spreading. It has two broods in Queens. [Contributed by Eric L. Quinter].
- 420 **Subtribe Athetiina** - This tribe was proposed by Fibiger and Lafontaine (2005). We have modified the name of the tribe from Athetina to Athetiina by dropping only the “s” from the generic name *Athetis* Hübner [1821] in order to avoid homonymy with Athetina in the Coleoptera: Staphylinidae, based on *Atheta* Thompson, 1858.
- 421 *Proxenus* **Herrich-Schäffer** - The genus *Proxenus*, **stat. rev.**, was included within *Athetis* by Poole (1989) following European usage, most recently by Fibiger and Hacker (2007). The character on which the tribal name Athetiina is based, the complete loss of the uncus, is also taken to be the generic character in European works, similar to the thinking discussed for *Acontia* by Lafontaine and Poole (2010). The characters that separate *Athetis* and *Proxenus* are in Kononenko et al. (1989).
- 422 *Athetis tarda* - *Athetis tarda*, **comb. n.** is a typical member of the genus *Athetis* and is the only North American species in this very large Old World genus.
- 423 “*Anorthodes*” *triquetra*, “*A.*” *indigena* - These two species are congeneric, but do not belong in *Athetis*, nor in *Anorthodes*, or even in the Athetiina because they have a fully developed spine-like uncus. We leave them here until a better tribal position is found and a better generic name is available.
- 424 **Tribe Dypterygiini** - Tribal classification from Fibiger and Lafontaine (2005).

- 425 *Dypterygia ligata* - Reported from Florida by McCabe (2003).
- 426 *Dypterygia ordinarius* - Reported from Texas by Knudson and Bordelon (2004). Voucher specimens are in the TLS Collection, Houston, Texas.
- 427 *Dypterygia punctirena* - Reported from Florida by Dickel (1991); voucher illustrated from the Dickel Collection, Anthony, Florida.
- 428 *Acroria terens* - Reported from Texas by Bordelon and Knudson (2000). Voucher specimens are in the TLS Collection, Houston, Texas.
- 429 *Neophaenis boucheri* - Reported from Texas (as *N. respondens*) by Blanchard (1973). Specimens from Texas are referable to *Neophaenis boucheri*, described in 2004 by Barbut and Lalanne-Cassou (2004).
- 430 *Magusa* Walker - Species of *Magusa* based on Lafontaine et al. (2009).
- 431 **Tribe Actinotiini** - Classification by Beck (1996); classification discussed by Fibiger and Lafontaine (2005).
- 432 *Iodopepla Franclemont* - This genus is closely related, if not congeneric, with *Nedra* Clarke and like most Actinotiini the larva feeds on *Hypericum* Linnaeus.
- 433 **Tribe Phlogophorini** - Classification follows Fibiger and Lafontaine (2005). Members of the tribe Phlogophorini consistently associate with the tribes of the former subfamily Hadeninae on the basis of *mtDNA* and nuclear DNA (Zahiri et al. 2010).
- 434 *Euplexia brillians* - *Euplexia brillians*, **syn. n.**, is a synonym of *E. triplaga*, which is widely distributed from Arizona to northern South America. Specimens from this range have the same genitalia and barcodes, but differ from populations regarded as *E. triplaga* in the Caribbean.
- 435 **Tribe Apameini** - Classification of *Apamea* and related genera follows Mikkola et al. (2009).
- 436 *Apamea cariosa* - Synonymy from Mikkola et al. (2009).
- 437 *Apamea vultuosa multicolor* - New status and subspecific classification from Mikkola et al. (2009).
- 438 *Apamea unanimis* - European introduction into northeastern North America and rapidly spreading (Mikkola et al. 2009).
- 439 *Apamea remissa*, *A. rubrirena* - These mainly Eurasian species were first reported in North America (Alaska) by Kononenko et al. (1989).
- 440 *Apamea indocilis*, *A. atosuffusa*, *A. amputatrix* - Synonymy from Mikkola et al. (2009).
- 441 *Apamea sordens* - The Eurasian species *Apamea sordens* is treated as a Holarctic species with *finitima* as one of two North American subspecies (Mikkola et al. 2009).
- 442 *Apamea inordinata*, *A. commoda*, *A. burgessi*, *A. relicina*, *A. scoparia*, *A. inficita*, *A. zeta*, *A. niveivenosa* - Subspecific classification from Mikkola et al. (2009).
- 443 *Apamea atriclava* - New status from Mikkola et al. (2009).
- 444 *Apamea* Ochseneimer: **generic synonymy** - Combinations from Poole (1989) from the synonymy of *Agroperina* Hampson, *Crymodes* Guenée, *Protagrotis* Hampson, and *Trichoplexia* Hampson with *Apamea* Ochseneimer.

- 445 *Apamea sora*, *A. alticola* - Revised status from Mikkola et al. (2009).
- 446 *Apamea lateritia* - This is a Eurasian species formerly confused with *A. scoparia*.
- 447 *Apamea cogitata* - Revised status from Mikkola et al. (2009) after being inadvertently listed as a species in Franclemont and Todd (1983).
- 448 *Apamea exornata* - Synonymy from Poole (1989).
- 449 *Apamea n. obscuroides* - Replacement name from Poole (1989).
- 450 *Apamea lintneri* - Generic combination from Mikkola et al. (2009) from the synonymy of *Ommatostola* Grote with *Apamea*.
- 451 *Apamea pallifera* - The species *Apamea pallifera*, **comb. n.** was originally described in *Polia* Ochsenheimer, but listed in *Andropolia* Grote by Franclemont and Todd (1983) and Poole (1989). The holotype is a species of *Apamea* purportedly from Illinois. The comment from North American workers who have seen the type is that it is probably a Eurasian species. Eurasian workers say it is not Eurasian. It is possible that it is an extremely rare species that has never been recollected, a situation somewhat similar to that of *Apamea smythi*. The problem did not emerge until after the publication of Mikkola et al. (2009). The type has not yet been dissected but the form of the anal papillae put it with the species groups with blunt, rounded anal papillae.
- 452 *Loscopia velata* - Generic combination from Quinter and Lafontaine (2009).
- 453 *Protapamea* Quinter - Genus and generic combination from Quinter (2009).
- 454 *Melanapamea* Lafontaine - Genus and generic combination from Lafontaine (2009).
- 455 *Lateroligia* Zilli, Fibiger & Ronkay - Genus and generic combination from Zilli et al. (2005). *Lateroligia ophiogramma* is a Eurasian species with at least two separate introductions into North America (Troubridge et al. 1992), now rapidly expanding in range.
- 456 *Resapamea* - The genus *Resapamea* Varga & Ronkay, 1992, was proposed for a Holarctic species complex that had been included in *Luperina* Boisduval (which occurs only in the Old World). Most of the species assigned to *Luperina* in Franclemont and Todd (1983) belong in *Resapamea*, but several will require new generic assignments. The generic combinations *Resapamea trigona*, *R. venosa*, and *R. passer* are from Zilli et al. (2005).
- 457 *Resapamea innota*, *R. enargia* - The use of the generic name *Resapamea* instead *Luperina* in North America requires two new combinations, *Resapamea innota* (Smith, 1908), **comb. n.**, *Resapamea enargia* (Barnes & Benjamin, 1926), **comb. n.**
- 458 *Resapamea passer* - The names *Resapamea virguncula*, **comb. n.**, **syn. n.** and *R. morna*, **comb. n.**, **syn. n.**, are color forms of *R. passer*.
- 459 “*Resapamea*” *stipata* - “*R.*” *stipata* (Morrison, 1875), **comb. n.** Temporary generic assignment.
- 460 *Mesapamea fractilinea* - *Mesapamea fractilinea*, **comb. n.**, is superficially almost identical to *Mesapamea secalis* (Linnaeus) and occurs in the same four color morphs. However, *M. fractilinea* and *M. arbora* (Barnes & McDunnough,



- 1912), **comb. n.** form a group in North America with a much more modified and ornate male cucullus than found in the European species of the genus.
- 461 *Mesapamea mactatoides* - *Mesapamea mactatoides*, **syn.n.** = *M. arbora*.
- 462 *Eremobina claudens* - This is a boreal zone species with asymmetrical slightly biserrate male antennae. *Eremobina hanhami* (Barnes & Benjamin), **syn. n.**, is a pale form from southwestern British Columbia, Washington, and Oregon. *Eremobina hilli* (Grote, 1876), **syn. n.** was described from the Adirondacks of New York and represents a disjunct southern population of *E. claudens* in eastern North America.
- 463 *Eremobina leucoscelis* - *Eremobina leucoscelis* (Grote, 1874), **stat. rev.**, (= *E. fibulata* (Morrison, 1874), **syn. n.**, = *E. jocasta* (Smith, 1900), **syn. n.**) generally replaces *E. claudens* south of the boreal zone, mainly in peat bogs, and differs in antennal structure and DNA barcodes. The original description of *leucoscelis* appeared sometime after March 1874 based on the introductory text of the publication with Grote's (1874) description of *leucoscelis*, whereas the issue with the description of *fibulata* is dated as July 1874. Since Grote (1875) and Hampson (1908) both treat *leucoscelis* as the senior name, and there is no evidence to the contrary, we accept *leucoscelis* as the older name. There appear to be at least two unnamed species in western North America; the genus is in need of revision.
- 464 *Oligia strigilis* - This Eurasian species was first recorded in North America at Quebec City, Quebec (Handfield 1999), subsequently expanding south to the northeastern US (Mello 2005), and now as far south as New York City and as far west as southern Ontario.
- 465 *Oligia latruncula* - This Eurasian species has become established in the New York City area.
- 466 "*Oligia* Hübner" - The genus *Oligia* is found only in the Old World. North American species assigned to *Oligia*, other than the two European introductions, need new generic placements.
- 467 "*Oligia*" *rampartensis* - Revised status from Schmidt and Anweiler (2010a). This species differs from "*O.*" *violacea* in having a reddish rather than white hindwing, a unicolorous thorax (reddish center in "*O.*" *violacea*), and numerous differences in the genitalia and DNA. They occur sympatrically in many areas of western North America, although "*O.*" *violacea* predominates on the West Coast states and "*O.*" *rampartensis* is mainly in the interior.
- 468 *Neoligia Troubridge & Lafontaine* - Genus and generic combination from Troubridge and Lafontaine (2002).
- 469 *Neoligia hausta*, *N. laevigata* - Synonymy from Troubridge and Lafontaine (2002).
- 470 *Xylomoia indirecta* - Genitalia and barcode results indicate an association with *Xylomoia* Staudinger as *X. indirecta*, **comb. n.**
- 471 *Spartiniphaga McDunnough* - *Spartiniphaga*, **syn. n.**, is a synonym of *Photedes* Lederer resulting in the new combinations *Photedes inops*, **comb. n.**, *P. carterae*, **comb. n.**, *P. includens*, **comb. n.**, and *P. panatela*, **comb. n.**

- 472 ***Photodes didonea*** - In a revision of the genus *Xylomoia* Staudinger, *X. didonea* (Smith, 1894), was moved to *Chortodes* by Mikkola (1998). With the synonymy of *Chortodes* and *Photodes*, the generic combination is *Photodes didonea*, **comb. n.**
- 473 ***Photodes*** - The genus *Hypocoena* Hampson was synonymized with ***Chortodes*** Tutt by Kononenko et al. (1989), so the North American species were transferred to *Chortodes*. More recently, *Chortodes* was synonymized with *Photodes* Lederer by Zilli et al. (2005) and *Hypocoena* reinstated as a valid genus. Four North American species that had been transferred to *Chortodes* are now moved to *Photodes* [= *Chortodes*], three provisionally. *P. panatela*, **comb. n.**, “*P.*” *enervata*, **comb. n.**, [= “*P.*” *orphanina*, **comb. n.**, **syn. n.**], and “*P.*” *defecta*, **comb. n.** There are no differences in genitalia between southern “*P.*” *enervata*” and northern “*P.*” *orphanina*, **syn. n.** and forms blend together in a cline with every combination of form in between. [Contributed by Eric L. Quinter].
- 474 ***Hypocoena*** - In the genus *Hypocoena* Hampson the digitus and clasper are modified into posteriorly projecting spines and the vesica has a large curved cornutus. In *Photodes* Lederer [= *Chortodes* Tutt] the clasper and digitus are vestigial and the vesica has an apical brush of smaller spines. On this basis, *Hypocoena inquinata*, **comb. rev.**, [= *H. variana*, **syn. n.**], *H. sofiae*, **comb. n.**, *H. basistriga*, **comb. rev.**, *H. rufostrigata*, **comb. rev.**, and *H. stigmatica*, **comb. rev.**, are included in *Hypocoena*.
- 475 ***Hypocoena stigmatica*** - Reported from southeastern Alaska by Kononenko et al. (1989).
- 476 ***Rhizedra lutosa*** - Introduced from Europe into eastern North America and spreading (McCabe and Schweitzer 1991).
- 477 ***Capsula*** - The genus *Capsula* Fibiger, Zilli, Ronkay, & Goldstein, 2005 was proposed for some species in *Archanara*, including all but one of the North American species formerly attributed to *Archanara*. *Capsula alameda*, **comb. n.**, was not transferred at that point.
- 478 ***Capsula alameda*** - *Capsula alameda*, **comb. n.**, was omitted from Fibiger et al. (2005).
- 479 ***Helotropha reniformis*** - This species was transferred to ***Celaena*** Stephens by Kononenko et al. (1989). The genus *Helotropha* Lederer was reinstated for the European species ***H. leucostigma*** (Hübner) by Fibiger and Hacker (2005) and Zilli et al. (2005), so its close North American relative *H. reniformis*, **comb. rev.** should also be moved back to *Helotropha*.
- 480 ***Papaipema* Smith** - The sequence of genera related to *Papaipema* (*Amphipoea* Billberg, *Hydraecia* Guenée, *Parapamea* Bird, *Papaipema* Smith, and *Selicanis* Smith) results from unpublished phylogenetic studies by Eric Quinter, as does the sequence of species of *Papaipema*. *Papaipema limata*, **stat. rev.**, is treated as a valid species. More research is needed to confirm its status. [Contributed by Eric L. Quinter].

- 481 *Amphipoea pacifica* - *Amphipoea pacifica*, **stat. rev.** is a valid species differing in genitalia and DNA from *A. americana*.
- 482 *Amphipoea flavostigma* - *Amphipoea flavostigma*, **syn. n.**, is a southern form of *A. senilis* with more contrasting maculation.
- 483 **Tribe Arzamini** - The Arzamini were diagnosed and treated as a subtribe of the Apameini by Fibiger and Lafontaine (2005), but were treated as a separate tribe by Lafontaine and Fibiger (2006).
- 484 *Bellura vulnifica* - Ongoing research on the Arzamini by Eric L. Quinter shows that *Bellura vulnifica*, **stat. rev.**, (= *Arzama diffusa*, **syn. rev.**, = *Arzama melano-pyga*, **syn. rev.**) is not a synonym of *Bellura gortynoides* but should be treated as a valid species. *B. gortynoides* is of a brighter yellow color throughout its range, with little or no tendency to become darker northward. *B. vulnifica* feeds in *Nymphaea*, whereas *B. gortynoides* eats *Nuphar*. The type material of *B. vulnifica* is apparently lost, so its identity was determined from the original description. The types of the other three species were examined. [Contributed by Eric L. Quinter].
- 485 *Bellura anoa* - This species has been treated as a southern “race” of *obliqua*, a borer in cattail (*Typha*). *B. anoa*, however, is a borer in *Sagittaria*, and apparently ranges at least as far north as Massachusetts. It is a distinct species, and there is a possibility that *B. brehmei* (Barnes & McDunnough, 1916) will ultimately prove to be a junior synonym of *B. anoa*. [Contributed by Eric L. Quinter].
- 486 **Tribe Xylenini, Subtribe Xylenina** - The taxa were diagnosed and treated as a subfamily and tribe by Fibiger and Lafontaine (2005) and by Lafontaine and Fibiger (2006), and they also included the Apameini as a tribe. However, DNA data indicate that the Xyleninae are paraphyletic in that some tribes (e.g., Caradrinini, Elaphriini, and Prodeniini) belong outside of the Xyleninae + Hadeninae + Noctuinae clade, so we separate the tribes of the former Xyleninae and treat them as tribes of the expanded, more inclusive, concept of the Noctuinae s.l. The tribes Apameini + Xylenini, as used here, do appear to form a monophyletic group.
- 487 *Lithomoia germana* - Revised status by Kononenko et al. (1989) and Mikkola et al. (1991).
- 488 *Lithophane ferrealis* - The listing of this name as a valid species was an oversight in Franclemont and Todd (1983) that was corrected by Poole (1989).
- 489 *Lithophane vivida* - *Lithophane vivida*, **syn. n.**, is a silvery-gray form of *L. baileyi* that occurs on the west coast of British Columbia and northwestern Washington.
- 490 *Lithophane nigrescens* - *Lithophane nigrescens*, **syn. n.**, is a dark form of *Lithophane querquera*.
- 491 **Sunira Franclemont** - The genus *Sunira* was treated as a subgenus of *Agrochola* Hübner by Ronkay et al. (2001), but is reinstated here because of the divergent genitalia, compared with typical members of *Agrochola*, especially the forked and apically spined clasper, the reduced valve structure with the corona absent,

- the digitus reduced to a minute process on the costa, and the heavily sclerotized pouch in the female ductus bursae. Also, the COI barcode sequences never associate the two genera. This results in *Sunira bicolorago*, **comb. rev.**, *S. decipiens*, **comb. rev.**, and *S. verberata*, **comb. rev.**
- 492 *Sunira straminea* - *Sunira straminea*, **syn. n.** = *Sunira bicolorago*.
- 493 *Parastichtis suspecta* - Synonymy from Kononenko et al. (1989) and Mikkola et al. (1991).
- 494 *Aseptis lichena* - Generic combination from Mustelin et al. (2000).
- 495 “*Aseptis*” *marina* - “*Aseptis*” *marina*, **comb. n.**, is misplaced in *Oligia* Hübner and in the Apameini. The genitalia and COI barcode place it in the Xylenini near *Aseptis* McDunnough, but it will probably require a new genus when the group is revised.
- 496 *Epidemas obscurus* - *Epidemas melanographa*, **syn. n.**, is a dark form of *E. obscurus*.
- 497 *Brachylomia discolor* - Revised combination and synonymy of *Lomolysis* Franclemont with *Brachylomia* Hampson by Troubridge and Lafontaine (2007).
- 498 *Hyppa xylinoides* - In the Franclemont and Todd (1983) check list the name *Hyppa ancocisconensis* was relegated to the synonymy of *Hyppa xylinoides* leaving the species associated with the name *H. ancocisconensis* apparently not described. Troubridge and Lafontaine (2004a) treated the species formerly associated with the name *H. ancocisconensis* as a northern form of *H. contrasta* and confirmed the synonymy of *H. ancocisconensis* and *H. xylinoides*.
- 499 **Subtribe Cosmiina** - Classification from Fibiger and Lafontaine (2005) but treated as a subtribe of the Xylenini.
- 500 *Cosmia epipascia*, *C. praeacuta* - Generic combinations from Lafontaine and Troubridge (2003).
- 501 *Chytonix parvimacula* - This name was inadvertently omitted from the Franclemont and Todd (1983) check list. Examination of the holotype reveals that the name is a synonym of *Cosmia praeacuta* (= *Cosmia parvimacula* (Smith, 1903), **comb. n.**, **syn. n.**).
- 502 *Enargia infumata* - Examination of the type of *Enargia infumata* shows that *E. mephisto* is a junior synonym (Schmidt 2010a).
- 503 *Enargia fausta* - The species previously treated as *E. infumata* (of auth.) was renamed because the type of *E. infumata* is the same species as *E. mephisto*; see Schmidt (2010a). An enigmatic population of *Enargia* in the Pacific Northwest may represent a disjunct population of *E. fausta*, or an introduced, established population of the European *E. paleacea*.
- 504 *Ipimorpha pleonectusa* - = *I. subvexa*, **syn. n.** Geographical variation from paler Great Plains phenotypes to darker boreal phenotypes in the northern Great Plains, lack of genitalic differences, and low DNA barcode variance show that *subvexa* is a paler grasslands form of *pleonectusa*.
- 505 **Subtribe Antitypina** - Classification from Fibiger and Lafontaine (2005).

- 506 *Andropolia contrasta* - = *A. sansar*, **syn. n.** [Contributed by J. E. Rawlins]. *Andropolia extincta*, **syn. rev.**, was listed as a valid species by Franclemont and Todd (1983) after having been synonymized by Forbes (1954).
- 507 *Andropolia olga* - This species is closely related to *A. olorina* and possibly a vividly marked Sierra Nevada population. *A. olorina*, which occurs in coastal California, is mainly pale whitish gray with thin markings.
- 508 *Rhizagrotis modesta*, *R. stylata* - Generic combinations from Troubridge (2008).
- 509 *Fishia discors* - The type specimens of *Hadena evelina*, **syn. n.**, from Truckee, California, have not been located. The synonymy is based on the original description compared with material from the type locality. The name *hanhami*, **syn. n.** is changed in rank from a subspecies to a synonym.
- 510 *Fishia yosemitae* - Synonymy from Schmidt and Anweiler (2010a), except for *Fishia tortilis*, **syn. n.**
- 511 *Fishia dispar* - *Fishia dispar*, **n. comb.**, has genitalia typical for the genus.
- 512 *Fishia illocata* - This species was formerly included in *Oligia* Hübner, but it does not belong in *Oligia*, or in the Apameini. Although it is slightly atypical, the genitalia and DNA barcode put it in the Xylenini as the sister group to the other *Fishia*'s as *Fishia illocata*, **n. comb.**
- 513 "*Platypolia*" *mactata* - Like *Fishia illocata* above, "*Platypolia*" *mactata*, **n. comb.**, was misplaced in the Apameini and should be in the Xylenini: Antitypini. The association with *Platypolia* Grote is a tentative generic placement.
- 514 *Xylotype arcadia* - This name *arcadia* is an invalid correction of the species name. Although this probably was the intended spelling, the type locality being Nova Scotia, historically a part of Acadia, there is no indication in the original description that the name was intended to be spelled as *arcadia*.
- 515 *Mniotype adusta* - *Mniotype sommeri*, **syn. n.**, is a Greenland and Iceland form of this otherwise Eurasian species.
- 516 *Mniotype ducta* - Synonymy from Schmidt and Anweiler (2010a).
- 517 *Mniotype tenera* - Synonymy from Schmidt and Anweiler (2010a).
- 518 *Mniotype ferida* - The species name was misspelled as *fervida* in Franclemont and Todd (1983).
- 519 *Sutyna privata* - Synonymy of *S. profundus* from Schmidt and Anweiler (2010a). *Sutyna tenuilinea*, **syn. n.**, is an aberrant form of *S. privata* from Utah.
- 520 **Subtribe Ufeina** - The Ufeina was classified as a subfamily by Fibiger and Lafontaine (2005), but as a subtribe of the Xylenini, as used here, by Lafontaine and Fibiger (2006).
- 521 *Ufeus satyricus* - Although the type specimen of *Ufeus barometricus*, **syn. rev.** from northern Ontario is lost, the original description allows the name to be associated with *Ufeus satyricus* and not with *U. plicatus*, as in the Franclemont and Todd (1983) check list.



- 522 *Ufeus satyricus saggitarius* - The western populations of *Ufeus satyricus* do not look like the same species as the typical eastern form. However, the genitalia and DNA barcode do not give any support to their recognition as a distinct species and intergrades occur in an area of overlap in western Montana and Wyoming.
- 523 *Ufeus plicatus* - The whereabouts of the type of *Ufeus plicatus*, described from Philadelphia, Pennsylvania, is unknown. The details of the original description, however, indicate that the eastern populations formerly known as *U. unicolor*, **syn. n.**, known from the Midwest (Illinois, Nebraska, Iowa), are referable to *U. plicatus* and represent a dark mid-western form of the species. More material from the East is now known (Quebec, Ontario, Connecticut), including the form with a longitudinal dark streak on the forewing mentioned in the original description of *U. plicatus*.
- 524 *Ufeus electra* - *Ufeus electra*, **stat. rev.** and *U. hulsti*, **syn. n.** (described on the same page) were listed as western subspecies of *U. plicatus* by Franclemont and Todd (1983). They differ from *U. plicatus* in the DNA barcode, in having a wider clasper, the ventral band (brush) of cornuti in the vesica contains more cornuti, which are smaller and more numerous than in *U. plicatus*, so the “brush” appears to be the same size. Consequently, *Ufeus electra* is treated as a separate species from *U. plicatus*.
- 525 **Tribe Xylenini (*incertae sedis*)** - These genera are included here in Xylenini (*sensu lato*) only because they lack the characters of the other named tribes of the Noctuidae, and the genitalia characters are more similar to those of the Xylenini than to those of any other tribe.
- 526 *Nipponyx segregata* - This eastern Asian species was introduced into the northeastern United States in the 1990's. It was first recorded on Long Island, New York. It has extended its range at least as far as Connecticut. The larva feeds on hops (*Humulus* L.). [Contributed by Eric L. Quinter].
- 527 **Tribes Orthosiini, Tholerini, Hadenini, Leucaniini, Eriopygini, Glottulini** - Arrangement of genera in the former subfamily Hadeninae draw on larval characters given by Godfrey (1972) and Beck (1999-2000) as discussed by Fibiger and Lafontaine (2005).
- 528 *Perigonica fermata* - Synonymy by Mustelin (2006).
- 529 *Perigonica johnstoni* - *Perigonica johnstoni*, **comb. n.**, **syn. n.** is a synonym of *P. pectinata*.
- 530 *Orthosia macona* - Synonymy by Mustelin (2006).
- 531 *Himella fidelis* - Poole (1989) uses the name *Himella fidelis* for this species with a date of 1874 and gives the date of the synonym *H. intractata* as 1875. In Franclemont and Todd (1983) the synonymy is reversed with the date for *Himella fidelis* as 1875 and 1874 for *H. intractata*. Poole appears justified in this reversal because an article by Grote (1875) states that his paper was published 15 December 1874 and Morrison's paper was published “more than 10 days later,” so both descriptions date from December, 1874.

- 532 *Egira candida* - *Egira candida*, **syn. n.**, is a synonym of *E. curialis*.
- 533 *Egira onychina* - Synonymy and suppression of name from Troubridge and Lafontaine (2007).
- 534 *Morrisonia latex* - Generic combination from Poole (1989); taxonomic position reviewed by Sullivan and Adams (2009).
- 535 *Escaria* Grote, *Minofala* Smith, *Sparkia* Nye, *Trichocosmia* Grote, *Afotella* Barnes & Benjamin, *Hadenella* Grote - These six genera are characterized by a combination of external features, like the form of frontal process and the presence or apparent absence of hair on the surface of the eye. As a result, some were classified in the Hadeninae and others in the Amphipyrrinae sensu Franclemont and Todd (1983). They associate by DNA barcodes and have similar genitalia, which are also similar to those of *Anarta* Ochsenheimer, so some synonymy is likely when they are revised.
- 536 *Anarta nigrolunata* - Treated as a valid species following Schmidt and Anweiler (2010a).
- 537 *Anarta Ochsenheimer* - Fibiger and Hacker (2005) synonymized *Anarta* and *Discestra* Hampson and the generic combinations for the two species that occur in North America and Eurasia (*A. trifolii* and *A. farnhami*) are from that publication. The remaining combinations transferred from *Discestra*, and those from *Trichoclea* Grote, are from Mustelin (2006).
- 538 *Anarta montanica*, *A. columbica* - Listed as a separate species but not formally recognized as such by Mustelin (2006). Revised status by Schmidt and Anweiler (2010a).
- 539 *Anarta chunka* - *Anarta chunka*, **comb. n.**, **syn. n.**, is treated as a synonym of *A. crotchii*. The genitalia and DNA barcodes are highly variable, but the variation does not coincide with appearance, structural characters, or geographical locality.
- 540 *Anarta fusculeta* - Generic combination and revised status as a species from Mustelin (2006).
- 541 *Anarta postica* - Synonymy from Schmidt and Anweiler (2010a).
- 542 *Coranarta luteola* - Revised status by Lafontaine et al. (1987b). *Coranarta cordigera* is a Eurasian species. Use of the genus *Coranarta* follows Hacker (1998).
- 543 *Polia* generic complex - McCabe's (1980) revision of the *Polia* Ochsenheimer generic complex included *Polia*, *Melanchra* Hübner, *Lacanobia* Billberg, *Papestra* Sukhareva, and two new genera, *Spiramater* McCabe and *Trichordestra* McCabe. All of the names listed as new synonymies, revised synonymies, revised statuses, and new combinations in Franclemont and Todd (1983) for *Polia*, *Melanchra*, *Lacanobia*, and *Papestra* are taken from McCabe (1980) and are valid as of McCabe (1980). The two new genera of McCabe (*Spiramater* and *Trichordestra*) were omitted from the Franclemont and Todd (1983) check list.
- 544 *Polia rogenhoferi* - Synonymy from McCabe (1980).
- 545 *Polia richardsoni magna* - Subspecies status from McCabe (1980).

- 546 ***Lacanobia grandis*** - The genitalia of *Lacanobia grandis*, **comb. rev.** are very similar to those of other species of *Lacanobia* Billberg, compared with the very divergent genitalia of *Spiramater lutra*. The DNA barcode sequence also indicates an isolated position for *S. lutra*, so “*Spiramater*” *grandis* is returned to *Lacanobia*.
- 547 ***Spiramater lutra*** - Genus and generic combination from McCabe (1980).
- 548 ***Trichordestra* McCabe** - Genus and generic combinations from McCabe (1980).
- 549 ***Hada sutrina*** - Generic combination from Lafontaine et al. (1986).
- 550 ***Sideridis* Hübner** - The genus *Trichoclea* Grote was synonymized with *Anarta* Ochsenheimer by Fibiger and Hacker (2005). Some of the North American species in *Trichoclea* in Franclemont and Todd (1983) were transferred to *Anarta* by Mustelin (2006). Other species placed in *Trichoclea* in Franclemont and Todd (1983) are better associated with the genus *Sideridis* and were transferred by Schmidt and Anweiler (2010a).
- 551 ***Hecatera dysodea*** - This is an introduced Eurasian species found in Utah in 1998 (Utah Co., Pleasant Grove) and Oregon in 2005 (The Dalles). Larvae feed on flowers and seeds of Compositae, especially lettuce (*Lactuca* spp.), and have been reported as a pest of lettuce in Europe (Hacker et al. 2002). Vouchers in CMNH, CNC, OSU, and USNM.
- 552 ***Hadena* Schrank** - Generic combinations from Poole (1989), except for *Hadena plusasata*.
- 553 ***Hadena jola*** - Synonymy by Troubridge and Crabo (2002).
- 554 ***Hadena plumasata*** - Generic combination from Troubridge and Crabo (2002).
- 555 ***Dargida* Walker** - Pogue (2009) revised the Mexican and South American species of *Dargida*.
- 556 ***Faronta* Smith** - The genus *Faronta* was synonymized with *Dargida* Walker by Rodríguez and Angulo (2005) resulting in six new combinations.
- 557 ***Mythimna* Ochsenheimer** - For many years the genus *Mythimna* was very broadly defined in Europe and included the genera *Aletia* Hübner, *Pseudaletia* Franclemont, and *Leucania* Ochsenheimer, which were maintained as valid genera in North America in Franclemont and Todd (1983) and Poole (1989). More recently, this fauna is arranged in two genera in Europe (Hacker et al. 2002), with *Mythimna* (including the structurally similar *Aletia* and *Pseudaletia*) as one genus, and the structurally distinctive *Leucania* being recognized as another genus. We follow this classification here with *Mythimna oxygala*, **comb. rev.**, *M. yukonensis*, **comb. rev.**, and *M. sequax*, **comb. rev.** as revised combinations.
- 558 ***Leucania oregona*** - This species was lumped with *L. farcta* in Franclemont and Todd (1983) in spite of very different genitalia. We assume that the association of specimens with the names was incorrect. They had been treated as separate species in earlier lists.
- 559 ***Leucania lapidaria*** - Revised status from Rings et al. (1992).
- 560 ***Leucania dia*** - Revised status from Schmidt and Anweiler (2010a).

- 561 *Leucania inconspicua*, *L. senescens*, *L. dorsalis* - Reported from Florida by Dickel (1991); vouchers illustrated from the Dickel Collection, Anthony, Florida.
- 562 *Leucania subpunctata* - The identity of the species occurring in southern United States was corrected to *Leucania subpunctata* by Adams (2001). *Leucania latiuscula* occurs in the Caribbean but has not yet been found in Florida.
- 563 *Leucania lobrega* - Recorded in Florida as *L. opalisans* by Dickel (1991). Identity corrected to *L. lobrega* and species described by Adams (2001).
- 564 *Leucania solita* - Synonymy by Becker and Miller (2002).
- 565 *Lasionycta skraelingia* - Recorded in North America in Yukon by Lafontaine and Kononenko (1988b). The genus *Lasionycta* Aurivillius was revised by Crabo and Lafontaine (2009).
- 566 *Lasionycta secedens* - Generic combination from Hacker et al. (2002).
- 567 *Lasionycta secedens bohemani* - Subspecies status of *bohemani* from Kononenko et al. (1989).
- 568 *Lasionycta phaea* - Revised status from Lafontaine and Kononenko (1988b).
- 569 *Lasionycta membrosa* - Synonymy from Lafontaine et al. (1986).
- 570 *Lasionycta mutilata*, *L. phoca* - Synonymy from Crabo and Lafontaine (2009).
- 571 *Lasionycta leucocycla* - Revised classification of *L. leucocycla* group from Crabo and Lafontaine (2009).
- 572 *Lasionycta flanda*, *L. coloradensis* - Revised status as a valid species from Crabo and Lafontaine (2009).
- 573 *Lasionycta poca* - Revised status as a valid species from Schmidt and Anweiler (2010a).
- 574 *Lasionycta perplexa* - Synonymy from Crabo and Lafontaine (2009).
- 575 *Lasionycta subfuscata*, *L. staudiingeri* - Synonymy and subspecific classification from Crabo and Lafontaine (2009).
- 576 *Lasionycta dolosa*, *L. subfumosa* - Revised status as valid species from Crabo and Lafontaine (2009).
- 577 *Lasionycta quadrilunata*, *L. uniformis*, *L. impingens* - Subspecific classification from Crabo and Lafontaine (2009).
- 578 *Lasionycta discolor*, *L. promulsa* - Synonymy from Crabo and Lafontaine (2009).
- 579 *Psammopolia* Crabo & Lafontaine - Genus and generic combinations from Crabo and Lafontaine (2009).
- 580 *Psammopolia etacta* - Synonymy from Crabo and Lafontaine (2009).
- 581 *Lacinipolia meditata* - = *L. brachiolum*, **syn. n.**, = *L. determinata*, **syn. n.**, = *L. rubrifusa*, **syn. n.**
- 582 *Lacinipolia rodora* - Reported from Texas (Knudson and Bordelon 2004). It also is widespread in southeastern Arizona.
- 583 *Lacinipolia illaudabilis* - Synonymy from Mustelin (2006).
- 584 "*Lacinipolia*" *mimula* - This species was included in *Lasiestra* Hampson by Franclemont and Todd (1983). It is provisionally moved to *Lacinipolia* McDunnough. It has the characteristic postsaccular flaps of *Lasionycta* Aurivillius (= *Lasiestra*) and *Lacinipolia* McDunnough, but it lacks the characteristics of

- Lasionycta*, which has just been revised (Crabo and Lafontaine 2009). *Lacinipolia* includes a number of diverse lineages and is badly in need of revision, so “*Lacinipolia*” *mimula*, **comb. n.**, is best dealt with there.
- 585 ***Homorthodes lindseyi*** - This is treated as a valid species because it occurs sympatrically with *H. furfurata* in northeastern United States without evidence of intergradation. The barcodes of the two taxa differ by about 2%. Two generations in southeastern United States bracket the single generation of *H. furfurata* (James K. Adams, pers. comm.).
- 586 ***Protorthodes incincta*** - = *P. saturnus*, **syn. n.**, = *P. indra*, **syn. n.**, = *P. daviesi*, **syn. n.** *P. indra* is a pale xeric habitat form (type locality: Prescott, Arizona) and *P. daviesi* (type locality: Fort Wingate, New Mexico) is a darker montane form with the central part of the forewing paler. Neither shows any differences in genitalia from typical *P. incincta* from farther north and east and the forms intergrade in appearance where they meet. The DNA barcode shows some isolation of the southern Wyoming/northern Colorado population of form *daviesi* (0.8%), but topotypical populations in the Zuni Mts of New Mexico show no barcode segregation. *P. utahensis* and *P. akalus* were synonymized by Schmidt and Anweiler (2010a).
- 587 ***Protorthodes lindrothi*** - *Protorthodes lindrothi* was described from Newfoundland and was recognized as a species because of slight differences in the male genitalia. Additional material shows that the differences are not consistent and the DNA barcode also suggests that *P. lindrothi*, **syn. n.** is a synonym of *P. oviduca*.
- 588 ***Hyperepia pi*** - Synonymy from Poole (1989).
- 589 ***Pseudorthodes iole*** - This species was listed by Poole (1989) in the genus *Eriopyga* Guenée, but examination of the genitalia shows that it should be reclassified as *Pseudorthodes iole*, **comb. n.** A voucher from Texas is in USNM. [Contributed by J. B. Sullivan].
- 590 ***Orthodes crenulata*** - Synonymy from Becker (2002).
- 591 **“*Orthodes* Guenée”** - The six species provisionally associated with “*Orthodes*” were included in *Polia* Ochseneimer in Franclemont and Todd (1983). They were excluded from *Polia* by McCabe (1980), but apparently too late for the 1983 check list. They are included tentatively in *Orthodes* Guenée following the lead of Poole (1989) and earlier suggestions of affinities by McCabe (1980). They do not belong in *Orthodes* but no better placement could be found at this time. “*Orthodes*” *noverca*, “*O.*” *vauorbicularis*, and “*O.*” *delecta* may represent a single species.
- 592 **“*Hexorthodes*” *agrotiformis*** - = “*H.*” *planalis*, **syn. n.**, = “*H.*” *diplopis*, **comb. n.**, **syn. n.**, = “*H.*” *aleuca*, **comb. n.**, **syn. n.**
- 593 **“*Hexorthodes*” *tuana* and *nipana*** - These species were included in *Polia* Ochseneimer in Franclemont and Todd (1983). They are included tentatively in *Hexorthodes* McDunnough following the lead of Poole (1989) and earlier suggestions of affinities by McCabe (1980). They do not belong in *Hexorthodes*



- but no better placement could be found at this time. The synonymy of “*Hexorthodes*” *nipana* and of “*H.*” *montara* is from Mustelin (2006).
- 594 “*Hyssia*” *degenerans* - Reported from Texas by Blanchard (1973). This species occurs in western Texas and has been overlooked because of its superficial similarity to “*Hexorthodes*” *nipana*, which occurs farther to the west in Arizona and California.
- 595 “*Eriopyga*” *crista* - A synonym of this species (“*Eriopyga*” *dissimilis*) was nominally described from Arizona. However, the species otherwise occurs from southern Mexico to northern South America, so the specimen from Arizona is believed to be mislabelled. An undescribed species occurs in southeastern Arizona and it often is misidentified as “*Eriopyga*” *crista* because it is the only species in the genus listed by Franclemont and Todd (1983).
- 596 *Hypotrix* Guenée - Generic combinations from Lafontaine, Ferris, and Walsh (2010). The generic names *Trichorthosia* Grote, *Ursogastra* Smith, and *Trichagrotis* McDunnough were synonymized with *Hypotrix* and four species were transferred from *Hexorthodes* McDunnough.
- 597 *Anhypotrix* Lafontaine, Ferris & Walsh - Genus and generic combination from Lafontaine, Ferris, and Walsh (2010).
- 598 *Tricholita palmillo* - *Tricholita palmillo*, **comb. n.**, is transferred from *Sideridis* Hübner on the basis of genital structure and the DNA barcode.
- 599 **Tribe Noctuini** - Classification of Noctuini adapted from revisions of Noctuinae by Lafontaine (1987, 1998, 2004).
- 600 **Subtribe Agrotina** - Classification of Agrotina adapted from Lafontaine (1987, 2004).
- 601 *Anicla* Ochsenheimer - Generic combinations and the status of *Euagrotis* McDunnough as a subgenus of *Anicla* by Lafontaine (2004).
- 602 *Anicla exuberans* - Synonymy from Lafontaine (2004).
- 603 *Anicla espoetia* - Reported in United States by Lafontaine (2004).
- 604 *Striacosta* Lafontaine - Genus and generic combination from Lafontaine (2004).
- 605 *Actebia* Stephens - New generic synonyms listed in Lafontaine (2004).
- 606 *Actebia balanitis* - Generic combination and the status of *Protexarnis* McDunnough as a subgenus of *Actebia* from Lafontaine (2004).
- 607 *Dichagyris* Lederer - Generic combinations and the status of *Loxagrotis* McDunnough, *Pseudorichia* Lafontaine, *Pseudorthosia* Grote, and *Mesembragrotis* Barnes & Benjamin as subgenera of *Dichagyris* from Lafontaine (2004). The genera *Proragrotis* McDunnough and *Pseudoseptis* McDunnough were synonymized with *Dichagyris*. Five species were transferred from *Richia* Grote.
- 608 *Dichagyris cataclivis*, *D. mizteca*, *D. arabella* - Reported in United States by Lafontaine (2004).
- 609 *Dichagyris socorro*, *D. madida* - Synonymies from Lafontaine (2004).
- 610 *Eucoptocnemis* Grote - Generic combinations and the status of *Manruta* Smith and *Desertica* Lafontaine as subgenera of *Eucoptocnemis* from Lafontaine (2004).

- 611 *Eucptocnemis tripars* - Synonymy from Lafontaine (2004).
- 612 *Richia distichoides*, *R. docilis* - Synonymies from Lafontaine (2004).
- 613 *Richia Grote* - Generic combinations for species transferred from *Loxagrotis* McDunnough and *Eurois* Hübner from Lafontaine (2004).
- 614 *Richia herculeana* - Reported in United States by Lafontaine (2004).
- 615 *Copablepharon* subspecies - Revised taxonomic status by Crabo et al. (2004).
- 616 *Protogygia epipsilioides* - Synonymy from Lafontaine and Fauske (2004).
- 617 *Protogygia album* - Generic combination from Lafontaine and Fauske (2004).
- 618 *Euxoa bochus* - Revised classification and synonymy from Lafontaine (2004).
- 619 *Euxoa adumbrata* - Following Fibiger's (1997) treatment of the Eurasian *Euxoa adumbrata* as a separate species from the North European *E. lidia* (Stoll), the two North American subspecies are associated with *Euxoa adumbrata*.
- 620 *Euxoa shasta condita* - Taxonomic status revised by Lafontaine (1987).
- 621 *Euxoa vallis luteosita* - Taxonomic status revised by Lafontaine (1987).
- 622 *Euxoa chimoensis* - Revised status from Lafontaine and Troubridge (2010).
- 623 *Euxoa lewisi julia* - Taxonomic status revised by Lafontaine (1987).
- 624 *Euxoa oncocnemoides* - *Euxoa oncocnemoides*, **stat. rev.**, is treated as a valid species because its range is now known to overlap that of *Euxoa annulipes* in southern California.
- 625 *Euxoa andera*, *E. incallida*, *E. loya* - Synonymies from Lafontaine (1987).
- 626 *Euxoa excogita* - *Euxoa excogita*, **stat. rev.**, is treated as a valid species because it occurs sympatrically with *E. brunneigera* in the Great Plains and Rocky Mountain States without evidence of hybridization.
- 627 *Euxoa cursoria wirima* - Taxonomic status revised by Lafontaine (1987).
- 628 *Euxoa furtivus* - Taxonomic status revised by Schmidt and Anweiler (2010a).
- 629 *Euxoa arizonensis*, *E. mercedes* - Synonymies from Lafontaine (1987).
- 630 *Euxoa aequalis* - Subspecific classification from Lafontaine (1987).
- 631 *Euxoa incognita*, *E. cooki* - Synonymies from Lafontaine (1987).
- 632 *Euxoa maimes* - Taxonomic status revised by Lafontaine (1987).
- 633 *Feltia Walker* - Generic combinations and the status of *Trichosilia* Hampson as a subgenus of *Feltia* from Lafontaine (2004).
- 634 *Feltia acarnea* - Synonymy from revision of *Trichosilia* by Lafontaine and Kononenko (1986).
- 635 *Feltia jaculifera*, *F. evanidalis*, *F. tricola* - Synonymies from Lafontaine (2004).
- 636 *Feltia subterranea*, *F. repleta* - Transfer from *Agrotis* from Lafontaine (2004).
- 637 *Agrotis rileyana* - Generic combination and synonymy of the genus *Onychagrotis* Hampson by Lafontaine (2004).
- 638 *Agrotis Ochsenheimer* - Synonymies from Lafontaine (2004).
- 639 *Agrotis carolina* - *Agrotis carolina*, **syn. n.**, appears to be a larger southern form of *A. buchholzi* with the same larval host plant. The vesica illustrated for *A. carolina* by Schweitzer and McCabe (2004) is broken, so it appears to be much shorter than that of *A. buchholzi*. The differences in valve shape are not consistent.

- 640 **Subtribe Noctuina** - Classification of Noctuina adapted from revision of subtribe (as tribe Noctuini) by Lafontaine (1998).
- 641 *Diarsia rosaria freemani* - Taxonomic status revised in Lafontaine (1998).
- 642 *Cerastis Ochsenheimer* - Generic combinations through the synonymy of *Metalepsis* Grote from Lafontaine and Crabo (1997).
- 643 *Hemipachnobia McDunnough* - Genus resegregated into two species from Lafontaine (1998). *H. subporphyrea* is known from southeastern North Carolina and eastern Maryland.
- 644 *Lycophotia Hübner* - Generic combination from Lafontaine (1998).
- 645 *Rhyacia clemens* - Revised status by Lafontaine (1998).
- 646 *Noctua pronuba* - Introduced from Eurasia into Nova Scotia about 1979; now occurs throughout North America from Florida to Alaska. Full synonymy given in Lafontaine (1998).
- 647 *Noctua comes* - Introduced from Eurasia into British Columbia about 1982 and spreading southward in the Pacific Northwest. Recently found in Ontario (Crolla 2008). Full synonymy given in Lafontaine (1998).
- 648 *Graphiphora haruspica* - Synonymy from Lafontaine (1998).
- 649 *Xestia trumani* - Synonymy from Lafontaine (1998).
- 650 *Xestia plebeia* - Generic combination through the synonymy of the genus *Hemigraphiphora* McDunnough from Lafontaine (1998).
- 651 *Xestia vernilis* group - Generic combinations from Poole (1989).
- 652 *Xestia youngii* - *Xestia youngii*, **syn. rev.**, is treated as an ecological form of *X. dilucida* adapted to peat bogs.
- 653 *Xestia adela* - Synonymy from Lafontaine (1998).
- 654 *Xestia wockei* - Generic combination from Inoue et al. (1982).
- 655 *Xestia (Megasema)* - Synonymy of the genus *Agrotiphila* Grote with *Xestia* subgenus *Megasema* Guenée by Lafontaine (1998).
- 656 *Xestia (Pachnobia)* - Synonymy of the genera *Anomogyna* Staudinger, *Archanaarta* Barnes & Benjamin, *Barrovia* Barnes & McDunnough, and *Epipsiliamorpha* Barnes & Benjamin as synonyms of *Xestia* subgenus *Pachnobia* Guenée by Lafontaine et al. (1998). Generic combination of *Xestia speciosa* from Hartig and Heinicke (1973).
- 657 *Xestia speciosa* - Subspecific classification from Lafontaine et al. (1998).
- 658 *Xestia mixta* - Revised status from Lafontaine et al. (1998).
- 659 *Xestia albuncula* and *X. kolymae* - Reported in North America and synonymy by Lafontaine et al. (1998).
- 660 *Xestia atrata*, *X. tecta*, *X. okakensis*, *X. lorezi* - Subspecific classification from Lafontaine et al. (1987a).
- 661 *Xestia ursae* - Revised status from Lafontaine et al. (1987a).
- 662 *Xestia perquiritata*, *X. homogena* - Subspecific classification from Lafontaine et al. (1998).
- 663 *Xestia intermedia* and *X. lyngei* - New North American record and new combination from Lafontaine et al. (1983).

- 664 *Xestia alaskae* - Generic combination and synonymy of the genus *Epipsil-  
iamorpha* with *Xestia* from Lafontaine et al. (1983).
- 665 *Xestia aequaeva* - Subspecific classification from Lafontaine and Mikkola (1996).
- 666 *Xestia quieta* - Generic combination and synonymy of the genus *Archanarta*  
with *Xestia* from Lafontaine et al. (1983).
- 667 *Xestia bryanti* - Generic combination and synonymy from Lafontaine et al.  
(1983).
- 668 *Xestia liquidaria* - Generic combination, synonymy, and synonymy of the  
genus *Barrovia* Barnes & McDunnough with *Xestia* from Lafontaine et al.  
(1983).
- 669 *Coenophila opacifrons* - Revised status and synonymy from Lafontaine  
(1998).
- 670 *Prognorisma* Lafontaine, *Agnorisma* Lafontaine - Genera, generic combina-  
tions, and synonymies from Lafontaine (1998).
- 671 *Agnorisma hero* - Synonymy from Lafontaine (1998).
- 672 *Agnorisma bugrai* - Replacement name for *Agrotis collaris* Grote & Robinson,  
1868, a junior primary homonym of *Agrotis collaris* Wallengren, 1856, from  
Koçak (1983).
- 673 *Pseudohermonassa Varga* - Generic combinations from Lafontaine (1998).
- 674 *Pseudohermonassa scaramangoides* - Synonymy from Lafontaine (1998).
- 675 *Setagrotis* Smith - Synonymies from Lafontaine (1998).
- 676 *Tesagrotis* Lafontaine - Genus and generic combinations from Lafontaine (1998).
- 677 *Tesagrotis corrodera*, *T. amia* - Revised status and synonymy of *T. fortiter*  
from Lafontaine (1998).
- 678 *Adelphagrotis quarta* - Synonymy from Lafontaine (1998).
- 679 *Adelphagrotis carissima* - Revised status from Lafontaine (1998).
- 680 *Parabagrotis* Lafontaine - Genus, generic combinations, and revised status  
for species from Lafontaine (1998).
- 681 *Parabagrotis exsertistigma* - The species name was misspelled as *exertistigma*  
in Franclemont and Todd (1983) and Lafontaine (1998).
- 682 *Abagrotis crumbi*, *A. barnesi*, and *A. tecatensis* - Synonymies from Lafon-  
taine (1998).
- 683 *Abagrotis forbesi* - Revised status from Lafontaine (1998).
- 684 *Abagrotis brunneipennis* - Revised status and new combinations through  
synonymy of the genus *Rhynchagrotis* Smith with *Abagrotis* Smith from Lafon-  
taine (1998).
- 685 *Pronoctua peabodyae* - New status from Lafontaine (1998).
- 686 *Isochlora sericea* - New combination through synonymy of the genus *Chamy-  
la* Staudinger with *Isochlora* Staudinger from Lafontaine (1998).



**Excluded species**

- 687 *Eilema complana* (Linnaeus, 1858) - (= *Crambidia allegheniensis* Holland, 1903). A single male specimen of this Palearctic species has been reported from North America, but since it has not subsequently been collected this record is treated as an accidental introduction. The specimen was collected, described and illustrated by Holland (1903) as *Crambidia allegheniensis* Holland, 1903, and subsequently recognized as a synonym of *Eilema complana* by Clench (1954). This taxon was listed in Franclemont (1983), but was subsequently excluded from North American check lists (Ferguson and Opler 2006, Schmidt and Opler 2008).
- 688 *Virbia cetes* (Druce, 1897) - Removed from list because of lack of any verifiable records Schmidt and Opler (2008).
- 689 *Halysidota underwoodi* Rothschild, 1909 - Removed from list because of lack of any verifiable records (Ferguson and Opler, 2006).
- 690 *Halysidota fuliginosa* Rothschild, 1909 - Removed from list because of lack of any verifiable records (Ferguson and Opler, 2006).
- 691 *Pseudohemihyalea mansueta* (H. Edwards, 1884) - Removed from list because of lack of any verifiable records (Schmidt and Opler, 2008).
- 692 *Antichloris viridis* Druce, 1884 - Extralimital. Occasionally found in North America in banana shipments.
- 693 *Anomis cataggellus* Dyar, 1913 - Reported from Texas by Knudson and Borden (2004) on the basis of material identified by Andre Blanchard. The specimens from Texas resemble this species, however, on comparison with the male holotype of *Anomis cataggellus* the male of the species recorded from Texas does not have the swollen folded area on the costa near the base of the forewing in *A. cataggellus* and its relatives. We have not been able to match the species from Texas with any other known *Anomis*.
- 694 *Isogona continua* Guenée, 1852 - Specimens reported as *Isogona continua* Guenée, 1852 from Texas were misidentified. They probably are referable to *Isogona natatrix* of which *Isogona continua* (Walker, 1869) is a synonym (and a secondary homonym of *Isogona continua* Guenée).
- 695 *Cecharismena abarusalis* (Walker, 1859) - Described from Brazil. North American records were found to be misidentified.
- 696 *Thysania agrippina* (Cramer, 1776) - Heppner (2003) discounted the Florida record as likely mislabelled, or an escape from a ship or cargo.
- 697 *Eulepidotis dominicata* (Guenée, 1852) - This species is on the 1983 MONA check list based on an old specimen in USNM labelled "Cherolokee, Fla., September, [19]07." The validity of this record was questioned by Todd (1961). The species occurs in Central and South America but not in the Greater Antilles in the Caribbean, so the specimen from Florida is believed to be mislabeled. Reports from Texas have not been substantiated by verifiable records (E. Knudson, pers. comm.).



- 698 *Eulepidotis merricki* (Holland, 1902) - This species is nominally described from Pittsburgh, Pennsylvania, but is probably mislabelled. It occurs in the Caribbean, including Cuba, but has never been reported from Florida.
- 699 *Trichoplusia abrota* (Druce, 1889) - Removed from list because of lack of any verifiable records (Lafontaine and Poole, 1991).
- 700 *Autographa bonaerensis* (Berg, 1882) - Removed from list because of lack of any verifiable records (Lafontaine and Poole, 1991). The species is unlikely to occur in North America because it occurs from southern Brazil and Paraguay southward (Lafontaine and Sullivan 2009).
- 701 “*Eustrotia*” *fausta* Druce, 1889 - *Eustrotia fausta* Druce was reported from Arizona by Ferris (2009), but was later reidentified by him as a female of the pyralid *Tosale aucta* Hampson after consultation with Ed Knudson.
- 702 *Acronicta auricoma* (Fabricius, 1787) - Material reported from Newfoundland, Canada, was re-identified as *Acronicta impressa* (Walker) (Mikkola et al., 1991).
- 703 *Agroperina obliviosa* (Walker, 1858) - Re-identified as a mislabelled synonym of the Eurasian species *Apamea maillardi* (Geyer) (Mikkola et al. 2009).
- 704 *Andropolia ochracea* (Smith, 1900) - *Andropolia ochracea* (Smith, 1900) is a mislabelled synonym of the Eurasian species *Polymixis flavocincta* ([Denis & Schiffermüller], 1775) (Forbes 1954).
- 705 *Micrathetis dasarata* (Druce, 1898) - Material reported to be *Micrathetis dasarata* from Texas has been reidentified as forms of *M. tecnion* Dyar, 1914.
- 706 *Neumoegenia coronides* (Druce, 1889) - Removed from list because of lack of any verifiable records (Poole, 1995).
- 707 *Neumoegenia albavena* (Ottolengui, 1898) - Removed from list because of lack of any verifiable records (Poole, 1995).
- 708 *Chrysoecia requies* (Dyar, 1909) - Removed from list because of lack of any verifiable records (Poole, 1995).
- 709 *Basilodes inquinatus* Hogue, 1983 - Removed from list because of lack of any verifiable records (Poole, 1995).
- 710 *Sericaglaea adulta* (Guenée, 1852) - The name *Cerastis adulta* Guenée, 1852 is listed twice in Franclemont and Todd (1983), once in *Sericaglaea* Franclemont and once in *Rhynchagrotis* Smith (= *Abagrotis* Smith). Its identity was discussed by Lafontaine (1998). It is probably a senior synonym of one of the species of *Metaxaglaea* Franclemont but the name, described from an Abbot painting, is too vaguely described to be identified.
- 711 *Anathix immaculata* (Morrison, 1875) - The identity of *Orthosia immaculata* Morrison is unknown. The type specimen was said to be at MCZ by Morrison but it is not recorded as being among the type material in the MCZ type data-base. We tentatively retain it in *Anathix* Franclemont following the Franclemont and Todd (1983) check list, but the expanse is given in the original description as 37 mm, much larger than any *Anathix* known.
- 712 *Anarta mimuli* Behr, 1885 - The type material of *Anarta mimuli* Behr, 1885 is lost, probably destroyed in the San Francisco earthquake and fire in

1906. The original description is too vague to associate the name with any known species, so the name is treated as *Anarta mimuli* Behr, 1885, ***nomen obscurum***.
- 713 ***Anarta myrtilli* (Linnaeus, 1761)** - Occurrence in North America based on mislabeled specimens in BMNH.
- 714 ***Lacinipolia perfragilis* (Dyar, 1923)** - The original material from United States identified as the Mexican species *Lacinipolia perfragilis* was later described as a new species, *Lacinipolia triplehorni* Selman & Leuschner, 2001. The two species differ in genitalia and no material matching the holotype of *L. perfragilis* has been located.
- 715 ***Leucania comma* (Linnaeus, 1761)** - *Leucania comma* was reported as introduced into Newfoundland by Ferguson (1963) but these specimens were recently shown to represent *Leucania dia*, a valid North American species (Schmidt and Anweiler 2010a).
- 716 ***Schinia espea* Smith, 1908** - Re-identified as a mislabelled synonym of the South American species *Heliothis molochitina* Berg (Hardwick 1996).

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<i>fuscigerus</i> (Grote) [Euxoa]	933344	<i>gigantea</i> (French) [Panthea]	931395
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<i>fusimacula</i> Smith [Oxycnemis]	931615	<i>gilvum</i> Crabo & Lafontaine [Copablepharon - ssp.]	933289
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<i>gabrieli</i> Troubridge & Crabo [Hadena]	932918	<i>gladiola</i> (Barnes) [Chrysoecia]	931673
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<i>scissoides</i> (Benjamin) [ <i>Schinia</i> ]	932133	<i>semilunata</i> (Grote) [ <i>Apamea</i> - ssp.]	932316
<i>scitipennis</i> Walker [ <i>Notodonta</i> ]	930015	<i>semirelecta</i> Grote [ <i>Catocala</i> ]	930806
<i>scitiscrita</i> Walker [ <i>Cerura</i> ]	930030	<i>semirufa</i> Barnes & McDunnough [ <i>Euaontia</i> ]	930741
<i>scobialis</i> (Grote) [ <i>Idia</i> ]	930478	<i>semirufescens</i> (Walker) [ <i>Oligocentria</i> ]	930105
<i>Scolecocampa</i>	930637	<i>semitaria</i> Franclemont [ <i>Metaxaglaea</i> ]	932599
<i>Scoliapteryx</i>	930601	<i>semiusta</i> Grote [ <i>Lithophane</i> ]	932531
<i>scolopendrina</i> (Boisduval) [ <i>Furcula</i> ]	930028	<i>semivitrea</i> Rothchild [ <i>Agaraea</i> ]	930393
<i>scoparia</i> Mikkola Mustelin & Lafontaine [ <i>Apamea</i> ]	932343, N442	<i>senatoria</i> (Smith) [ <i>“Hexorthodes”</i> ]	933155
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<i>scopulepes</i> (Haworth) [ <i>Hemeroplanis</i> ]	930700	<i>senilis</i> (Smith) [ <i>Amphipoea</i> ]	932450
<i>Scotogramma</i>	932847	<i>sensilis</i> Grote [ <i>Chytonix</i> ]	932714
<i>scotogrammoides</i> McDunnough [ <i>Euxoa</i> ]	933371	<i>sentalis</i> (Kaye) [ <i>Amolita</i> ]	931062
<i>scottae</i> Troubridge [ <i>Lithophane</i> ]	932551	<i>separata</i> (Grote) [ <i>Schinia</i> ]	932153
<i>scribonia</i> (Stoll) [ <i>Hypercompe</i> ]	930323	<i>septempunctata</i> Harvey [ <i>Grotella</i> ]	931700
<i>scriptana</i> (Walker) [ <i>Nycteola</i> ]	931145, N178	<i>septentrionalis</i> (Walker) [ <i>Euxoa</i> ]	933317
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<i>scrupulosa</i> H. Edwards [ <i>Drasteria</i> ]	930894, N128	<i>septentrionalis</i> Barnes & McDunnough [ <i>Agylla</i> ]	930228
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		<i>septu</i> Troubridge [ <i>Sympistis</i> ]	931892
		<i>septuosa</i> (A. Blanchard & Knudson) [ <i>Ponometia</i> ]	931309

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sericea (Lafontaine & Kononenko) [Isochlora]	933693, N686	signata (Walker) [Tricholita]	933193
sericea (Morrison) [Chaetoglaea]	932607	significans (H. Edwards) [Lophocampa]	930366
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serraticornis A. Blanchard [Copablepharon - ssp.]	933268, N615	similaris Richards [Bulia]	930886
serraticornis Lintner [Cucullia]	931534, N274	similaris Smith [Cucullia]	931506
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serricornis (Smith) [Euxoa]	933369	similis (Guenée) [Neadysgonia]	930957, N134
serrula (Barnes & McDunnough) [Aseptis]	932645	similis (Stretch) [Androloma]	N342
servia (Cramer) [Goniapteryx]	930633	similis Edwards [Catocala]	930855
servitus (Smith) [Euxoa]	933439	simona McDunnough [Euxoa]	933348
sesmu Troubridge [Sympistis]	931847	simplaria Graef [Notodonta - ssp.]	930017
Setagrotis	933633	simplex (Smith) [Sympistis]	931832
seth Troubridge [Sympistis]	931846	simplex (Walker) [Egira]	932789
setonia McDunnough [Euxoa]	933375	simplex Smith [Schinia]	932064
severa H. Edwards [Gluphisia]	930023	simplex Walker [Pagara]	930396
seversa (Grote) [Gerra]	931968	Simplicia	930504
sexata (Smith) [Schinia]	932105, N374	<i>simplicia</i> (Smith) [Sympistis]	931886, N317
sexplagiata Smith [Schinia]	932090	simplicius (Morrison) [Anicla]	933217
sexpunctata Barnes & McDunnough [Copanarta]	931782, N314	simulans Barnes & Benjamin [Heterocampa]	930071
sexpunctata Grote [Spargaloma]	930715	simulata McDunnough [Euxoa]	933385
sexseriata (Grote) [Lineostriastiria]	931666	Simyra	931493
Sexserrata	931599	sinaldus Guenée [Gonodonta]	930614
sexsignata (Harvey) [Litocala]	930868	sinelinea Hardwick [Euxoa]	933321
sexta Barnes & McDunnough [Ogdoconta]	932020	sinescripta Ferguson [Acronicta]	931486
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sharonae Selman & Leuschner [Lacinipolia]	933056	singularis (Barnes & McDunnough) [Sympistis]	931960
shasta Crabo & Lafontaine [Lasionycta - ssp.]	932999	siren (Strecker) [Schinia]	932123, N377
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Sideridis	932900	smithii (Dyar) [Protorthodes]	933106
sidus (Guenée) [Eupsilia]	932588	smithii (Guenée) [Neadysgonia]	930959
sierra Crabo & Lafontaine [Lasionycta]	933009	smithii (Snellen) [Xestia]	933572
		smythi Franclemont [Apamea]	932321
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<i>snowi</i> (H. Edwards) [Syngrapha]	931222, N194	<i>spinigera</i> Guenée [Acronicta]	931452
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<i>snowiana</i> Grote [Catocala]	930784, N111		933174, N596
<i>sobek</i> Troubridge [Sympistis]	931889	<i>spinosae</i> (Guenée) [Schinia]	932129
<i>sobrialis</i> (Walker) [Renia]	930539	<i>Spiramater</i>	932883
<i>sobrina</i> (Stretch) [Lophocampa]	930369	<i>spiritum</i> Crabo & Fauske [Copablepharon]	933280
<i>socorro</i> (Barnes) [Dichagyris]	933242, N609	<i>splendens</i> (Barnes & McDunnough) [Pseudohemihyalea]	
<i>sofae</i> (Mustelin) [Hypocoena]	932427, N474		930383
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<i>solidaginis</i> of auth. [Lithomoia]	932524	<i>Spodoptera</i>	932214
<i>solita</i> Walker [Leucania]	932962, N564	<i>spraguei</i> (Grote) [Pygarctia]	930429
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<i>sommeri</i> (Lefebvre) [Mniotype]	932703	<i>spumata</i> McDunnough [Euxoa]	933392
<i>sonoma</i> (McDunnough) [Pseudocopivaleria]	931555	<i>spumosum</i> (Grote) [Plagiomimicus]	931651
<i>Sonorarctia</i>	930282	<i>squala</i> Ferris & Lafontaine [Marimatha]	931285
<i>sora</i> (Smith) [Apamea]	932327, N445	<i>squamularis</i> (Drury) [Zale]	931035
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<i>sordida</i> (Butler) [Lycomorphodes]	930203	<i>staudingeri</i> (Möschler) [Xestia]	933592, N655
<i>sordida</i> (McDunnough) [Holoarctia]	930233	<i>steenensis</i> Hardwick [Schinia]	932121
<i>sordida</i> Grote [Catocala]	930832	<i>stellaris</i> (Grote) [Adelphagrotis]	933640
<i>sordidula</i> Grote [Hypena]	930570	<i>stellata</i> Walker [Derrima]	932039
<i>sordidus</i> Smith [Schinia]	932116, N375	<i>stena</i> (Smith) [Schinia]	932062, N368
<i>soror</i> Barnes & McDunnough [Grotella]	931710	<i>stenocelis</i> (Dyar) [Papaipema]	932474
<i>sorsconi</i> Barnes & Benjamin [Catocala]	930763, N110	<i>stenotis</i> (Hampson) [Lacinipolia]	933030
<i>spadaria</i> Guenée [Doryodes]	930927	<i>stepheni</i> Sullivan [Rivula]	930593
<i>spadix</i> (Cramer) [Cissusa]	930864	<i>stewarti</i> (Grote) [Nedra]	932284
<i>Spaelotis</i>	933554	<i>Stibadium</i>	N295
<i>spaldingi</i> (Barnes & McDunnough) [Neogrotella]	931718	<i>Stibaera</i>	932016
<i>spaldingi</i> (Smith) [Apamea]	932317	<i>stigmaphiles</i> (Dyar) [Herminocala]	931072, N160
<i>Spargaloma</i>	930715	<i>stigmata</i> Smith [Miodera]	933188
<i>Sparkia</i>	932818	<i>stigmatalis</i> (Smith) [Euxoa]	933391
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<i>speciosa</i> Ottolengui [Autographa]	931198	<i>stolata</i> Smith [Leucania]	932954
<i>speciosissima</i> (Grote & Robinson) [Papaipema]	932475	<i>stombleri</i> (Okumura & Bauer) [Helicoverpa]	932045, N362
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<i>speyeri</i> Lintner [Cucullia]	931516	<i>straminea</i> Dyar [Dasyblemma]	930666
<i>spiculosa</i> (Grote) [Lacinipolia]	933047	<i>straminea</i> Poole [Basilodes]	931677
<i>spila</i> Rindge & Smith [Annaphila]	931756	<i>stretchi</i> Barnes & Benjamin [Grotella]	931706
<i>Spiloloma</i>	930760	<i>Stretchia</i>	932756
<i>Spilosoma</i>	930309	<i>stretchii</i> (Behr) [Drasteria]	930911
<i>spinea</i> (Grote) [Acronicta]	931491	<i>stretchii</i> Behr [Catocala]	930809, N110

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Striacosta	933228	<i>subornata</i> of auth. [Condica]	932005
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	931071, N159	subporphyrea (Walker) [Hemipachnobia]	933545, N643
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striata Lafontaine [Agrotis]	933508	<i>subrosea</i> of auth. [Coenophila]	933624
striata Ottolengui [Cisthene]	930185	subrotata Harvey [Heterocampa]	930077
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strigata (Smith) [Cucullia]	931536	subspinosae Hardwick [Schinia]	932130
strigata (Smith) [Trichocerapoda]	933082	substrigata (Smith) [Prognorisma]	933625, N670
strigicollis (Wallengren) [Lacinipolia]	933069	<i>subtermina</i> (Smith) [Cissusa]	930866, N124
strigilis (Linnaeus) [Oligia]	932375, N464	subterminalis Barnes & McDunnough [Renia]	930540
strigimacula (Guenée) [Zale]	931019	subterminata Mustelin [Protoperigea]	932253
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strigosa (Grote) [Clostera]	930006	subtilis Franclemont [Lithophane]	932567
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stygalis Barnes & McDunnough [Euxoa]	933390	suffusa (Barnes & McDunnough) [Properigea]	932725
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styx Poole [Cucullia]	931517	<i>suffusa</i> McDunnough [Panthea]	931399
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subandera Lafontaine [Euxoa]	933402	sunia (Guenée) [Neogalea]	931770
subcuprea Crabo & Hammond [Mesogona]	932612	Sunira	932616
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